THE GEORGE WASHINGTON UNIVERSITY

CATALOGUE

157505.

THE GEORGE WASHINGTON UNIVERSITY

REPORT OF THE COMPTROLLER

For the year ended August 31, 1929

THE

GEORGE

WASHINGTON

UNIVERSITY

REPORT OF THE COMPTROLLER

For the year ended August 31, 1929

REPORT OF THE COMPTROLLER

October 10, 1929.

THE BOARD OF TRUSTEES OF THE GEORGE WASHINGTON UNIVERSITY:

GENTLEMEN: I have the honor to submit herewith a report, verified by R. G. Rankin and Company, Certified Public Accountants, showing in detail the financial operations of the University for the fiscal year ended August 31, 1929, and exhibiting the state of the Trust Funds, as required by the By-Laws of the University.

The Total Net Resources of the University as at August 31, 1929, were $2,528,297.32, a gain for the year of $250,763.70, as shown in the following summary of Assets and Liabilities.

COMPARATIVE SUMMARY OF ASSETS AND LIABILITIES, 1927–28 AND 1928–29

Assets.

	1927–28	*1928–29*	*Increase*	*Decrease*	*Net Increase*
Cash, General Funds	$37,243.56	$35,795.31	.....	$1,448.25	.....
Cash, Endowment Income	13,438.75	30,843.06	$17,404.31	.....	.....
Endowment and Trust Funds Assets	1,061,546.43	1,209,152.61	147,606.18	.....	.....
Real Estate, exclusive of Endowment Funds	1,665,751.88	1,727,452.50	61,700.62	.....	.....
Library Books	74,733.40	76,919.35	2,185.95	.....	.....
Equipment	214,311.28	215,289.17	977.89	.....	.....
Perpetual Insurance Deposits	1,406.25	1,406.25	.....	.....	.....
Advanced to University Stores	1,696.62	6,696.62	5,000.00	.....	.....
Temporary Investments	.....	14,250.00	14,250.00	.....	.....
	$3,070,128.17	$3,317,804.87	$249,124.95	$1,448.25	$247,676.70

Liabilities.

	1927–28	*1928–29*	*Increase*	*Decrease*	*Net Decrease*
Notes Payable	$444,500.00	$442,500.00	.....	$2,000.00	.....
Liability to Endowment Funds	338,881.55	336,881.55	.....	2,000.00	.....
Prepaid Tuition	9,213.00	10,126.00	$913.00	.....	.....
	$792,594.55	$789,507.55	$913.00	$4,000.00	$3,087.00
Total Net Resources	$2,277,533.62	$2,528,297.32	.....	.....	.....
Increase of Net Resources 1928–29	250,763.70	.....	.....	.....	.....

Endowment and Trust Funds were increased during the year $147,606.18, as follows: Alumni Fund, $25.00; 1923–24 Campaign Fund, $7,000.00; Nancy Yulee Endowment Fund, $5,000.00; Scottish Rite Endowment Fund, $100,000.00; Third Columbian Women Scholarship Fund, $800.00; Isabella Osborne King Memorial Fund, $1,528.40; General Hospital Endowment Fund, $100.00; Jacques Law School Fund, $358.00; Jacques Medical School Fund, $235.96; Mayer Hospital Fund, $309.95; District of Columbia Daughters of the American Revolution Loan Fund, $145.28; Addie Sanders Hospital Fund, $10,000.00; Engineering Club Room Fund, $29.30; Student Loan Fund, $412,06; Swisher Book Fund, $7.86; Administrative Reserve Fund, $19,872.17; Guggenheim Fund for Aeronautics, $6,000.00; Plumbing and Heating Institute Fund, $239.51; School of Pharmacy Equipment Fund, $2,171.50; Reserve for Protection of Trust Funds Investments, $619.29; Lafayette Memorial Fund, $88.83; Maury Memorial Fund, $89.40; Endowment Restoration and Accretion Fund, $174.46; Law School Building Fund, $13.42; Chemistry Building Fund, $8.20; Unit No. 3 Fund, $15,529.50; Class of 1929, Unit No. 3 Fund, $11.17; Medical Building Fund, $5.21; a gross increase of $170,774.47; from which was deducted the decreases in Executory Trust Funds as follows: Denman Law School Fund, $564.89; Pharmacy Fund, $19,799.44 and General Building Fund, $2,803.96; a total decrease of $23,168.29.

New Trust Funds (included in the preceding paragraph) were received as follows; Nancy Yulee Endowment Fund, $5,000.00; Addie Sanders Hospital Fund, $10,000.00; and the Guggenheim Fund for Promoting Aeronautics, $6,000.00.

Real Estate used for education purposes is valued at $1,727,452.50, an increase of $61,700.62, accounted for as follows:

Annex for Registrar's office	$10,668.38
Purchase of 2020–22 H Street	28,650.34
Purchase of 2026 G Street	15,074.96
Purchase of 716 20th St., initial payment	7,306.94
	$61,700.62

Notes Payable are outstanding against the General Funds amounting to $442,500.00, secured by mortgages, as follows:

2010–12 H Street	$12,000.00
Corcoran Hall	220,000.00
2024 H Street	8,000.00
Stockton Hall	150,000.00
2009–11 G Street	12,000.00
2009–11 G Street	21,500.00
704 20th Street	8,000.00
2026 G Street	6,250.00
2026 G Street	4,750.00
	$442,500.00

Notes Payable against the Lewis Endowment Fund amount to $45,000.00. This indebtedness was necessary to clear the property of outstanding claims, to enable the executors to transfer the bequest to the University.

Laboratory Equipment and Furniture are valued, after depreciation, at $215,289.17, an increase of $977.89.

Books in the Libraries are valued, after depreciation, at $76,919.35, an increase of $2,185.95.

Property Under Lease used for educational purposes:

2022 G Street, at $1800 per annum
714 20th Street, at $1080 per annum
2016 H Street, at $600 per annum

Accounts Receivable from Students amount to $7,190.00, or .00844 per cent of the total student charges at the close of the fiscal year.

Cash Receipts and Payments for the fiscal year are summarized as follows:

Cash in Bank, September 1, 1928.	$24,930.56	
Cash Received, 1928–29.....	1,194,177.61	$1,219,108.17
Disbursements, 1928–29.....		1,186,652.86
Cash balance, August 31, 1929.....		$32,455.31

A Statement in detail of cash receipts and payments for the fiscal year is shown in Schedule "P" of this report.

CHARLES W. HOLMES,
Comptroller.

CERTIFICATE OF THE AUDITOR

April 1, 1930

We have examined the books of the GEORGE WASHINGTON UNIVERSITY and made the usual verification of Assets and Liabilities and reviewed the general accuracy of the Revenue and Expense accounts.

Cash was verified by actual count or by certificates from the Depositories and Securities and Notes by inspection. Additions to Land, Buildings and Equipment were examined and found to be proper charges thereto. Trust Notes Payable were verified by letter from the holders thereof or by documents pertaining thereto.

We hereby certify that, in our opinion, the annexed Balance Sheet, as compiled from the accounts of the University, reflects the true financial condition of the GEORGE WASHINGTON UNIVERSITY as at August 31, 1929 and that the relative Revenue Account states the Net Revenue for the year ended on that date and that the Statement of Cash Receipts and Payments summarizes the Cash Transactions for the year ended August 31, 1929.

R. G. RANKIN & Co.,
Certified Public Accountants.

GENERAL ACCOUNTS

THE GEORGE WASHINGTON UNIVERSITY

SCHEDULE "A."—BALANCE SHEET

As at August 31, 1929

Trust Funds and Investments

Assets.			*Liabilities.*		
Endowment Funds:			Endowment Funds:		
Investments, Schedule "T"	$1,123,231.28		Trust Funds, Schedule "T"	$1,085,198.21	
Cash on Hand Awaiting Investment August 31, 1929	6,966.93	$1,130,198.21	Trust Notes Payable Lewis Properties	45,000.00	$1,130,198.21
Executory Trust Funds:			Executory Trust Funds, Schedule "T"		123,954.40
Investments, Schedule "T"	$100,306.57				$1,254,152.61
Cash on Hand Awaiting Investment August 31, 1929	23,647.83	123,954.40	Unexpended Income, Specific Endowment Funds, Schedule "V"		30,843.06
		$1,254,152.61			
Cash on Hand, Unexpended Income, August 31, 1929		30,843.06			
		$1,284,995.67			$1,284,995.67

General Funds

Plant Assets:			Trust Notes Payable	$442,500.00
Real Estate:			Medical School Fees Paid in Advance	10,126.00
Grounds, Academic and Miscellaneous Buildings	$1,727,452.50		Liability to Endowment Funds:	
Equipment	282,467.88		Principal:	
Library Books	92,323.81		Secured by Deed of Trust dated Dec. 1, 1910 on Medical and Hospital Lands and Buildings, 1335–1339 and 1341 H Street, N.W.	321,430.23
	$2,102,244.19			
Less: Depreciation	82,583.17	$2,019,661.02		

Withdrawal Value of Perpetual Insurance		1,406.25
Loan Account—University Stores		6,696.62
Temporary Investment of General Funds $15,000.00 Par Value Chesapeake & Ohio R. R. Co. Bonds		14,250.00
Cash:		
On Deposit August 31, 1929	$32,455.31	
Petty Cash Fund	3,340.00	
		35,795.31
		$2,077,809.20

Liability to the University General Property:		
Denman Fund Principal	7,179.32	
Specific Endowment Fund Income which was applied to current expenses prior to August 31, 1910	8,272.00	
		15,451.32
Surplus—Invested in Permanent Assets of the University—Schedule "B"		1,288,301.65
		$2,077,809.20

SCHEDULE "B."

ANALYSIS OF SURPLUS ACCOUNT.

For the year ended August 31, 1929.

Balance September 1, 1928		$1,202,548.44
Add:		
Donation for Library Books—W. T. Johnson	$50.00	
Endowment Principal for Purchase of Pharmacy Building	19,799.44	
Endowment Principal for Purchase of 716 20th Street, N.W.	6,806.94	
Endowment Principal for Reduction of Real Estate Notes	11,000.00	
1927–28 Cherry Tree Collection	87.00	
Hospital Equipment Purchased	925.59	
Net Income of The University for the year ended August 31, 1929, transferred from Revenue Account, Schedule "C"	103,553.42	142,222.39
		$1,344,770.83
Deduct:		
Depreciation on Books and Equipment.	$22,382.59	
The George Washington University Hospital Excess of Expense over Income for the Eight Months Ending August 31, 1929, transferred to New Hospital Books	9,156.03	
Cash Balance, August 31, 1928, transferred to the President's Administrative Reserve Fund	24,930.56	56,469.18
Balance August 31, 1929, Schedule "A"		$1,288,301.65

SCHEDULE "C."

REVENUE ACCOUNT.

For the Year Ended August 31, 1929.

Income.

Columbian College, Schedule "D"		$112,328.50
The School of Medicine, Schedule "F"		7,776.65
The Law School, Schedule "G"		35,643.79
The School of Engineering, Schedule "H"		16,301.83
The Graduate School of Letters & Sciences, Schedule "E"		27,980.84
The School of Pharmacy, Schedule "I"		8,992.46
The School of Education, Schedule "J"		32,759.50
The Division of Library Science, Schedule "K"		6,649.26
The Summer Sessions, Schedule "M"		14,793.80
		$263,226.63
The Division of Fine Arts, Net Loss, Schedule "L"	$544.96	
The University Hospital, Net Loss, Schedule "O"	2,381.97	
		2,926.93
		$260,299.70

Student Activities		$26,743.03
Income from Endowments for General Purposes		13,069.48
Income from Other Sources:		
Rent of Fraternity Rooms and Garage	$2,632.00	
Rents—School of Pharmacy	1,000.00	
Interest on Bank Deposit	1,748.82	
Interest on Temporary Investments	931.45	
Diploma Fees	8,609.00	
Discount Received	864.14	
Special Examination Fees	734.00	
Reappropriations	327.65	
Sales of Waste Material	235.02	
Miscellaneous	142.19	
		17,224.27
		$317,336.48

Expenses.

General Administration	$61,801.82	
Comptroller's Department	81,269.54	
Registrar's Department	27,195.85	
University Libraries	11,779.33	
Personnel Department	3,862.13	
Department of Health	5,810.00	
Physical Education—Women	10,223.92	
Physical Education—Men	10,824.85	
Contribution to Student Loan Fund	1,000.00	
Loss on Temporary Investments	15.62	
		213,783.06
Net Income for the Year Ended August 31, 1929, transferred to Surplus Account, Schedule "B"		$103,553.42

SCHEDULE "D."

COLUMBIAN COLLEGE.

For the year ended August 31, 1929.

Income.

Fees:		
Columbian College	$332,170.63	
The School of Government	8,545.47	
		$340,716.10
Income from Endowments:		
Scottish Rite Endowment Fund	$8,472.07	
National League of Masonic Clubs	7,000.00	
		15,472.07
Other Income:		
Fees—Old	$1,052.85	
Reappropriations	66.78	
		1,119.63
		$357,307.80

Expenses.

Administration:			
Operation:			
Salaries	$3,759.16		
Office Expense	10.16		
Stationery, Printing and Postage	194.58		
Proctors	176.00		
Scholarships	1,334.50		
		$5,474.40	
Maintenance		26,656.27	
Instruction:			
Operation:			
Salaries	$201,201.00		
Office Expense	233.06		
Stationery, Printing and Postage	682.94		
Laboratory Materials	9,864.07		
Wages	720.50		
Proof Reading	103.40		
Charts	40.16		
Miscellaneous	3.50		
		212,848.63	
			244,979.30
Net Income, transferred to Revenue Account—Schedule "C"			$112,328.50

SCHEDULE "E."

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES.

For the year ended August 31, 1929.

Income.

Fees:			
Current Year		$32,853.04	
Previous Years		252.84	
			$33,105.88

Expenses.

Administration:			
Operation:			
Salaries	$1,370.00		
Stationery, Printing and Postage	38.34		
Maintenance	3,676.70		
		$5,085.04	
Instruction:			
Operation:			
Salaries		40.00	
			5,125.04
Net Income, transferred to Revenue Acct., Schedule "C"			$27,980.84

SCHEDULE "F."

THE SCHOOL OF MEDICINE.

For the year ended August 31, 1929.

Income.

Fees		$103,723.99	
Endowment Income:			
Cooper Medical Research Fund	$1,476.97		
Lewis Medical School Fund	5,895.91		
Sharpe Medical School Fund	420.90		
		7,793.78	
Recovery on Fire Loss		155.00	
Reappropriated for Salaries		700.00	
			$112,372.77

Expenses.

Administration:			
Dean's Office:			
Operations:			
Salaries	$4,900.00		
Advertising and Dues	418.56		
Stationery, Printing and Postage	841.25		
Traveling Expense	840.03		
Faculty Scholarships	754.00		
		$7,753.84	
Superintendent's Office:			
Operations:			
Salaries	$2,050.00		
Telephone	458.99		
		2,508.99	
Maintenance:			
Wages	$4,246.60		
Heat and Light	2,733.91		
Insurance	423.93		
Repairs	1,637.63		
Supplies	1,717.24		
		10,759.31	
Clinical Department:			
Operations:			
Salaries	$2,893.28		
X-Ray Supplies	35.50		
		2,928.78	
Museum:			
Operation:			
Salaries	$1,399.92		
Supplies	667.51		
Deiner	600.00		
		2,667.43	

Instruction:			
Operation:			
Salaries	$58,365.00		
Laboratory Supplies	6,372.77		
Deiners	3,240.00		
G. W. U. Hospital for Instruction	10,000.00		
		77,977.77	
			104,596.12
Net Income, transferred to Revenue Account Schedule "C".			$7,776.65

SCHEDULE "G."

LAW SCHOOL.

For the year ended August 31, 1929.

Income.

Fees		$106,941.25	
Prizes:			
Herrick	$25.00		
Ellsworth	25.00		
		50.00	
			$106,991.25

Expenses.

Administration:			
Operation:			
Salaries	$3,560.00		
Traveling Expense	380.00		
Advertising	993.99		
Stationery, Printing and Postage	757.35		
Dean's Operating Fund	251.62		
Faculty Scholarships	357.25		
		$6,300.21	
Maintenance:			
Wages	$3,239.98		
Heat and Light	2,358.48		
Repairs to Building	454.05		
Supplies	499.72		
Interest	8,250.00		
Repairs to Equipment	23.67		
		14,825.90	
Instruction:			
Operation:			
Salaries	$49,303.84		
Stationery, Printing and Postage	867.51		
		50,171.35	

Prizes:			
Herrick	$25.00		
Ellsworth	25.00		
		$50.00	
			$71,347.46
Net Income, transferred to Revenue Acct., Schedule "C".			$35,643.79

SCHEDULE "H."

THE SCHOOL OF ENGINEERING.

For the year ended August 31, 1929.

Income.

Fees:			
Current Year		$53,359.68	
Previous Years		193.37	
			$53,553.05

Expenses.

Administration:			
Operation:			
Salaries	$1,640.00		
Stationery, Printing and Postage	61.40		
Office Expense	66.88		
Supplies	33.93		
Faculty Scholarships	50.00		
		$1,852.21	
Maintenance:			
Colleges Maintenance	$3,676.70		
Repairs to Equipment	22.45		
		3,699.15	
Instruction:			
Civil Engineering:			
Operation:			
Salaries	$13,500.00		
Laboratory Supplies	266.03		
		13,766.03	
Electrical Engineering:			
Operation:			
Salaries	$5,900.00		
Laboratory Supplies	563.31		
Office Expense	8.89		
		6,472.20	
Mechanical Engineering:			
Operation:			
Salaries	$11,000.00		
Laboratory Supplies	451.21		
Office Expense	10.42		
		11,461.63	
			37,251.22
Net Income, transferred to Revenue Acct., Schedule "C"			$16,301.83

SCHEDULE "I."

THE SCHOOL OF PHARMACY.

For the Year Ended August 31, 1929.

Income.

Fees:		
Current Year	$13,131.94	
Previous Years	69.24	
		$13,201.18
Endowment Income:		
Gibbs Pharmacy Fund		876.21
		$14,077.39

Expenses.

Administration:			
Operation:			
Stationery, Printing and Postage	$20.30		
Office Expense	99.94		
Faculty Scholarships	15.75		
		$135.99	
Maintenance:			
Rent	$1,000.00		
Janitor	345.00		
		1,345.00	
Instruction:			
Operation:			
Salaries	$2,574.96		
Laboratory Supplies	1,028.98		
		3,603.94	
			5,084.93
Net Income, transferred to Revenue Account, Schedule "C"			$8,992.46

SCHEDULE "J."

THE SCHOOL OF EDUCATION.

For the Year Ended August 31, 1929.

Income.

Fees:			
Current Year		$60,168.24	
Previous Years		252.04	
			$60,420.28

Expenses.

Administration:			
Operation:			
Salaries	$820.00		
Stationery, Printing and Postage	78.03		
Office Expense	10.50		
Scholarships	70.00		
		$978.53	
Maintenance:			
Colleges Maintenance		6,434.22	
Home Economics:			
Operation:			
Salaries	$5,550.00		
Laboratory Supplies	382.87		
		5,932.87	
Maintenance:			
Replacements	$14.08		
Renovations	45.91		
Maid	22.27		
		82.26	
Education:			
Operation:			
Salaries	$13,880.00		
Office Expense	149.42		
Laboratory Supplies	49.58		
Research	150.00		
Postage	3.90		
		14,232.90	
			27,660.78
Net Income, transferred to Revenue Account, Schedule "C"			$32,759.50

SCHEDULE "K."

THE DIVISION OF LIBRARY SCIENCE.

For the Year Ended August 31, 1929.

Income.

Fees			$9,063.50

Expenses.

Administration:			
Operation:			
Salaries	$200.00		
Stationery, Printing and Postage	14.24		
		$214.24	
Instruction:			
Operation:			
Salaries		2,200.00	
			2,414.24
Net Income, transferred to Revenue Account, Schedule "C"			$6,649.26

SCHEDULE "L."

THE DIVISION OF FINE ARTS.

For the Year Ended August 31, 1929.

Income.

Fees			$14,032.00

Expenses.

Administration:			
Operation:			
Salaries	$9,470.00		
Beaux Arts Design	450.00		
Models	360.00		
Office Expense	85.38		
Express	26.08		
		$10,391.46	
Maintenance:			
Repairs to Equipment		19.92	
Graphic Arts:			
Operation:			
Salaries	$4,150.00		
Office Expense	15.58		
		4,165.58	
			14,576.96
Net Loss, transferred to Revenue Account, Schedule "C"			$544.96

SCHEDULE "M."

THE SUMMER SESSIONS.

Income.

Fees:		
Columbian College	$30,542.08	
The Graduate School of Letters & Sciences	3,247.54	
The School of Education	8,778.64	
The School of Engineering	4,215.36	
The Law School	12,311.00	
The Division of Fine Arts	496.00	
The Division of Library Science	1,721.50	
Previous Years	487.75	
		$61,799.87

Expenses.

Administration:		
Operation:		
Salaries	$2,750.00	
Advertising	583.98	
Stationery and Postage	129.95	
Printing	762.96	
Social Fund	248.70	
Office Expense	94.26	
		$4,569.85
Instruction:		
The Graduate School of Letters & Sciences:		
Operation:		
Salaries		1,590.00
Columbian College:		
Operation:		
Salaries	$25,935.95	
Laboratory Materials	1,102.68	
		27,038.63
The School of Engineering:		
Operation:		
Salaries		939.99
The School of Education:		
Operation:		
Salaries	$3,010.00	
Educational Test Material	29.10	
		3,039.10
Instruction:		
The Law School:		
Operation:		
Salaries	$7,660.00	
Advertising	293.30	
Office Expense	157.10	
Printing of Announcements	14.10	
		8,124.50

The Division of Library Science:		
Operation:		
Salaries	$1,320.00	
The Division of Fine Arts:		
Operation:		
Salaries	384.00	
		47,006.07
Net Income, transferred to Revenue Account, Schedule "C"		$14,793.80

SCHEDULE "N."

STUDENT ACTIVITIES.

For the Year Ended August 31, 1929.

Income.

Student Activity Fees		$40,451.50
Other Income:		
Football—Gate and Guarantees	$10,290.89	
Basketball—Gates	161.65	
Sale of Athletic Tickets	565.00	
Music—Glee Club	371.65	
Harchet—Advertising	4,210.91	
Hatchet—Subscriptions	47.00	
		15,647.10
		$56,098.60

Expenses.

Men's Athletics:		
Operation:		
Football	$14,819.14	
Basketball	1,777.79	
Track	285.40	
Rifle	499.97	
Telephone and Telegrams	160.52	
Traveling Expense	504.11	
Tennis	100.00	
		$18,146.93
Publications:		
Operation:		
Printing of Hatchet	$6,892.50	
Post Office Deposit	185.64	
Cuts	75.29	
Transportation	59.86	
Postage	41.89	
Stationery and Printing	43.60	
Advertising	628.06	
Duplicating Bureau	500.00	
Minor Operations	197.60	
		8,624.44
Dramatics		500.00
Musical Organizations		1,304.75
Debating		779.45
		29,355.57
Net Income, transferred to Revenue Account, Schedule "C"		$26,743.03

SCHEDULE "O."

THE UNIVERSITY HOSPITAL.

For the Four Months Ended December 31, 1928.

Income.

Pay Patients		$37,923.76	
Donations—Dr. C. S. White		100.00	
			$38,023.76

Expenses.

Administration:			
Operation:			
Salaries	$2,387.77		
Stationery, Printing and Postage	471.20		
Office Expense	52.73		
		$2,911.70	
Medical and Surgical:			
Operation:			
Salaries	$1,263.10		
Medical & Surgical Supplies	2,916.91		
Drugs	1,958.82		
Table Supplies	11.90		
		6,150.73	
Maintenance:			
Orderlies		867.99	
Housekeeping Department:			
Operation:			
Salaries	$831.50		
Laundry Service	3,114.08		
Housekeeping Supplies	761.79		
		4,707.37	
Maintenance:			
Janitors		1,611.19	
Operation:			
Salaries	$820.29		
Table Supplies	9,820.24		
Kitchen and Pantry Supplies	69.84		
Ice	452.55		
		11,162.92	
Maintenance:			
Wages		2,550.78	
Maintenance:			
Operation:			
Minor Operations		323.03	

Maintenance:			
Wages	$758.50		
Electric Light and Power	754.92		
Fuel	612.50		
Gas	710.20		
Repairs	441.21		
Insurance	80.87		
Telephone	327.63		
Quarters for Dietitian	100.00		
Rent	583.33		
		$4,369.16	
The School of Nursing:			
Administration:			
Operation:			
Salaries	$5,208.98		
Nurses Supplies	536.39		
Office Expense	5.49		
		5,750.86	
			$40,405.73
Net Loss, transferred to Revenue Account, Schedule "C"			$2,381.97

Schedule "P."—Statement of Cash Receipts and Payments

For the year ended August 31, 1929.

Receipts.

From Students:		
Columbian College	$346,273.30	
The School of Medicine	95,905.94	
The Law School	106,793.25	
The School of Engineering	54,364.32	
The Graduate School of Letters and Sciences	33,664.16	
The School of Pharmacy	14,175.35	
The School of Education	60,350.43	
The Division of Library Science	9,063.50	
The Division of Fine Arts	14,071.00	
The Summer Sessions	62,492.56	
		$797,153.81
Incidental Fees:		
University Fees	$40,439.50	
Graduation Fees	8,609.00	
Special Examinations	734.00	
Fees—Previous Years	2,777.64	
		52,560.14
Medical School Fees Paid in Advance		10,126.00
Contributions:		
For Prizes	$140.00	
For Library Books	50.00	
		190.00
Transfer of General Funds for Improvements on Pharmacy Building		2,823.06
Transfer of Endowment Income:		
General Endowments	$12,800.47	
Specific Endowments	17,411.07	
		30,211.54
Transfer of Executory Trust Funds—Principal:		
For General Purposes—Gift of The National League of Masonic Clubs	$7,000.00	
For Purchase of Real Estate	26,606.38	
For Reduction of Trust Notes Payable	6,500.00	
		40,106.38

Payments.

Departmental Expense:		
Columbian College	$244,979.30	
The School of Medicine	94,596.12	
The Law School	71,297.46	
The School of Engineering	37,251.22	
The Graduate School of Letters and Sciences	5,125.04	
The School of Pharmacy	5,084.93	
The School of Education	27,660.78	
The Division of Library Science	2,414.24	
The Division of Fine Arts	14,576.96	
The Summer Sessions	47,006.07	
		$549,992.12
Refunds to Students:		
Columbian College	$5,557.20	
The School of Medicine	1,447.50	
The Law School	249.00	
The School of Engineering	1,004.64	
The Graduate School of Letters and Sciences	811.12	
The School of Pharmacy	1,043.41	
The School of Education	182.19	
The Division of Fine Arts	39.00	
The Summer Sessions	1,180.44	
University Fees	8.00	
		11,522.50
Student Activities		29,355.57
General Administration		67,256.22
Comptroller's Department		81,249.10
Office of the Registrar		28,195.85
University Libraries		11,779.33
Personnel Departments		3,862.13
Health Administration		5,810.00
Physical Education—Men		10,824.85
Physical Education—Women		10,223.92
Temporary Investments		114,187.50
Accrued Interest on Temporary Investments		985.33
Contribution to Student Loan Fund		1,000.00
Transferred to Administrative Reserve Fund		24,930.56
Prizes		140.00
Transfer of Funds Erroneously Credited to Gates and Guarantees		1,835.00

Reappropriations:		
Equipment — Comptroller's Department	116.28	
Physical Education—Women	211.37	
Medical Salaries	700.00	
Graduation Fees—Alumni	440.00	
Alumni Expense	170.90	
Geology Laboratory	52.74	
Zoology Laboratory	14.04	
Catalogues	1,000.00	
		2,705.33
Student Activities:		
Gates and Guarantees—Football	$12,125.89	
Gates and Guarantees—Basketball	161.65	
Sale of Athletic Tickets	565.00	
Glee Club Concerts	371.65	
Hatchet—Advertising	4,210.91	
Hatchet—Subscriptions	47.00	
		17,482.10
Rentals:		
The School of Pharmacy	$1,000.00	
Fraternity Rooms	2,432.00	
Garage	200.00	
		3,632.00
Temporary Investments		99,921.88
Interest Received:		
On Bank Deposits	$1,748.82	
On Temporary Investments	1,916.78	
		3,665.60
Other Receipts:		
Phone Tolls	$60.40	
Sale of Waste Materials	235.02	
Duplicate Diplomas	35.00	
1927–28 Cherry Tree Advertising	87.00	
Recovery on Fire Loss—Medical School	155.00	
Miscellaneous	46.79	
		619.21
Cash Discount on Purchases		864.14
The University Hospital		122,903.42
		$1,184,964.61
Cash Balance September 1, 1928		34,143.56
		$1,219,108.17

Capital Payments:		
Equipment Purchased for Schools:		
Columbian College	4,132.77	
The School of Medicine	2,987.44	
The Law School	104.13	
The School of Engineering	528.79	
The Graduate School of Letters and Sciences	425.00	
The School of Pharmacy	598.75	
The School of Education	816.26	
The Division of Fine Arts	103.06	
		9,696.20
Other Equipment:		
General Administration	$651.63	
Comptroller's Department	686.68	
Office of the Registrar	5,069.08	
Gymnasium	1,545.02	
The University Hospital	1,103.09	
		9,055.50
Books:		
Arts and Sciences Library	$3,430.16	
The School of Medicine Library	726.08	
The Law School Library	2,490.49	
The School of Pharmacy Library	148.00	
		6,794.73
Real Estate:		
Building No. 1 Annex—Registrar's Office	$10,668.38	
2020–22 H St., N. W., Lots 819–20 Sq. 102	22,500.00	
Cash Payment on 2026 G St., N. W., Lot 15, Sq. 103	2,071.09	
Cash Payment on 716 20th St., Lot 40, Sq. 102	7,306.94	
Improvements on 2026 G St., N. W.	2,003.87	
Improvements on Pharmacy Bldg.	6,150.34	
Reduction of Gymnasium Mortgage	2,000.00	
Reduction of Trust Notes Payable	6,500.00	
		59,200.62
Increase in Petty Cash Fund		240.00
Loan to University Stores		5,000.00
The University Hospital		143,515.83
		$1,186,652.86
Cash Balance August 31, 1929		32,455.31
		$1,219,108.17

TRUST ACCOUNTS

SCHEDULE "Q"

TRUST FUNDS

As at August 31, 1929

GENERAL ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for the support of the general work of the University.

Subscription Gifts Fund, 1845-1851:

Fund raised by authority of the Trustees of Columbian College by general subscription between the years 1845 and 1851, as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund.) ..... $ 12,525.56

Withers Fund:

Fund raised by authority of the Trustees of Columbian College between the years 1851 and 1870, for increasing the endowment fund of the College; John Withers of Alexandria, Virginia, giving $16,100.00, and the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund.) 26,891.46

Corcoran Fund:

Fund raised by authority of the Trustees of Columbian College and Columbian University between the years 1871 and 1886, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon or the income therefrom to be used for the current expenses and the support of the institution; William W. Corcoran, of Washington, D. C., giving $112,000.00, and the balance being obtained by general subscription 220,155.76

Syms Fund:

Bequest of Samuel Robert Syms, of West Hoboken, New Jersey, in 1891, to Columbian University, to be applied by the Trustees toward the endowment of the College proper 1,500.00

Alumni Fund:

A fund established by the Senior Class of 1920, at a testimonial of grateful appreciation, to be added to by succeeding graduating classes, the income only to be used for the general welfare of the University, as directed by the Board of Trustees 417.00

1923-1924 Campaign Fund:

Receipts through the Treasurer of the Fund, from various donors, and invested as a general endowment 182,800.00

George N. Acker Fund:

Bequest of George N. Acker, M.D., of Washington, D. C., received July 2, 1924. An unconditional gift carried as a general endowment by direction of the Board of Trustees 300.00

$444,589.78

PROFESSORSHIP ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of professorships as specified by the donors.

Congressional Professorship Fund:

Donation by the United States, in 1832, by Act of Congress, of $25,000 in city lots in Washington, D. C., to be sold and the proceeds invested as a capital, the dividends or interest to be used and applied, in aid of other revenues of Columbian College, to the establishment and endowment of such professorships therein "as now are, or hereafter shall be, established by the Trustees" $105,362.95

Elton Professorship Fund:

Bequest of Rev. Romeo Elton, of Exeter, England, in 1872, to be applied for the foundation of a professorship of mental and moral philosophy in Columbian College, to be called the Elton Professorship of Mental and Moral Philosophy 14,508.19

Alumni Professorship Fund:

Gifts of various alumni since 1911, for the endowment of an Alumni Professorship of Mathematics, the amount to be invested and the interest only to be used for the professorship 829.49

Mitchell Carroll Professorship Fund:

A fund established by Mary A. Sharpe, April 17, 1928, to memorialize Professor Mitchell Carroll; the income to be used to provide revenue for a chair of archaeology 500.00

Nancy Yulee Endowment Fund:

Bequest of Nannie Yulee Noble, in memory of her mother, Nancy Yulee; income to be used for lectures in Home Economics; fund established April 22, 1929 5,000.00

Art and Archaeology Fund:

A fund established by the Board of Trustees on May 18, 1927, the income to be devoted to the "support of the School of Classical Studies at Athens as long as the Board desires to contribute to this cause" 1,000.00

The Scottish Rite Endowment Fund:

A fund of One Million Dollars, created by indenture, dated December 27, 1928, by the Supreme Council of the Ancient and Accepted Scottish Rite of Freemasonry of the Southern Jurisdiction of the United States of America, as a permanent memorial to George Washington, The Mason, and in consideration of its high esteem of the University as an institution of learning. The principal of the fund is payable as follows: "One Hundred Thousand Dollars on the execution and delivery of this indenture, or deed of donation. Annually thereafter the sum of One Hundred Thousand Dollars a year, payable on or before the 22nd of February in each year, until the sum above named has been fully paid."

The principal of the fund is "to be held by the University in trust in perpetuity, and by the Board of Trustees of the University to be safely invested and the income thereof used in the establishment and maintenance by the University as a part of its institution of learning of a School or Department of Government designed to perpetuate the principles of human freedom, the rights of man, and the sovereignty of the people, as those principles are enunciated in the Constitution of the United States and embodied in the system of State and Federal Governments composing the United States of America" $200,000.00

$327,200.63

SPECIFIC ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for designated purposes specified by the donors (other than support of professorships) incidental to, or connected with, the general work of the University.

Scholarship Funds:

Walker Scholarship Fund:

Gift of William Walker, of Putnam County, Georgia, in 1824, for the endowment of a scholarship $2,500.00

Withington Scholarship Fund:

Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington, of New York, in 1829, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship 1,953.13

Morehouse Scholarship Fund:

Gift of A. Morehouse, of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry 1,500.00

Kendall Scholarship Fund:

Gift of Amos Kendall, of Washington, D. C., in 1869, to Columbian College, on behalf of Calvary Baptist Church in the City of Washington, to purchase a classical scholarship; the Trustees of Public Schools in the City of Washington, and their successors, to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupils so selected each to be entitled to instruction in said College, for the term of six years, free of charge for tuition, use of library, and apparatus, or for any other privilege allowed to paying students of the same grade 5,959.61

Davis Scholarship Fund:

Gift of Isaac Davis, of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under certain conditions 1,000.00

M. M. Carter Scholarship Fund:
Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1871, to Columbian College, to found a scholarship for some deserving young man $1,000.00

Founders of Columbian Women Scholarship Fund:
A fund established by the "Columbian Women" of George Washington University, in 1920, to provide scholarships for women in Columbian College 5,000.00

Woodhull Scholarship Fund:
Bequest of Ellen M. E. Woodhull, of Washington, D. C., in 1920, the income to be used for scholarships 600.00

Third Columbian Women Scholarship Fund:
A fund established by the "Columbian Women" of George Washington University, in 1925, to provide scholarships for women in Columbian College 3,310.00

Byron Andrews Memorial Scholarship Fund:
A fund founded by Mrs. Belle Fisk Andrews, in 1919, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students in English, Latin, Journalism, History, Literature or Political Science" 5,000.00

David Spencer Scholarship Fund:
Devise in trust of real estate in Knox County, Illinois, the income to constitute an educational fund which under certain conditions shall be used to aid in defraying the expenses of designated students at the University 18,135.00

Farnham Scholarship Fund:
Gift of Mrs. Robert Farnham, of Washington, D. C., in 1871, to Columbian College for a scholarship in the College 1,000.00

Powell Scholarship Fund:
Devise of real estate by Rear Admiral Levin M. Powell, of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance into the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States 30,000.00

Mary Lowell Stone Scholarship Fund:
Gift of an anonymous person in memory of Miss Mary Lowell Stone, in 1893, to Columbian University for Scholarships for needy women students in science in the Department of Arts and Sciences 2,000.00

H. H. Carter Scholarship Fund:
Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1896, in memory of her husband, Henry Harding Carter, to Columbian University, as a foundation for scholarships in civil engineering in Columbian College 5,000.00

Nellie Maynard Knapp Scholarship Fund:
Gift of the "Columbian Women," in 1915, in memory of Mrs. Nellie Maynard Knapp, to George Washington University, for scholarships for women in the Department of Arts and Sciences $5,000.00

Elma Lewis Harvey Scholarship Fund:
Bequest of Mrs. Emma Elizabeth Harvey, in 1921, in memory of her daughter, Elma Lewis Harvey, to found a scholarship in the Department of Arts and Sciences for young women of the Protestant faith and of the Caucasian race 5,000.00

Elizabeth V. Brown Scholarship Fund:
A fund founded by the College Women's Club of Washington, D. C., in 1925, as a memorial to Elizabeth V. Brown, the income to be used for scholarships in Teachers College 1,200.00

College Women's Scholarship Fund:
Donation by the College Women's Club of Washington, in 1926, the income to be used by the Columbian Women for scholarships 500.00

Isabella Osborn King Memorial Fund:
Bequest of Isabella G. King, by will dated March 15, 1920; the income to be used to provide a scholarship for special investigation in Biology 40,643.63

Lewis D. and Myrtle H. Wilson Scholarship Fund:
A fund established by Miss Elizabeth Wilson, in 1926, the income to be used by the Columbian Women for scholarships in the School of Medicine 1,000.00

$137,301.37

Prize Funds:

Davis Prize Funds:
Gift of Isaac Davis, of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since their connection with the College $700.00

Ruggles Prize Fund:
Gift of William Ruggles of Washington, D. C. (a professor in Columbian College and at one time Acting President), in 1859, to Columbian College, for a prize to be awarded annually for excellence in mathematics 500.00

Staughton-Elton Prize Fund:
Gift of Rev. Romeo Elton, of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek languages; one to be called the Staughton prize in Latin the other the Elton prize in Greek 500.00

Fitch Prize Fund:

Gift of James E. Fitch, of Washington, D. C., in 1883, to Columbian University, in memory of Willie E. Fitch, for a gold prize to be assigned annually under the auspices of the Scientific School $1,000.00

Walsh Prize Fund:

Gift of Thomas F. Walsh, of Washington, D. C., in 1901, to Columbian University, for a gold medal to be awarded annually for excellence in Irish history 300.00

Cutter Prize Fund:

Gift of Marion Kendall Cutter, of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English 1,000.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Morgan Richardson Goddard, for a gold medal, and a cash prize, to be awarded annually to the student making the highest average in Commerce 1,169.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of James Douglas Goddard, for a gold medal to be awarded annually to the student making the highest average in Pharmacy 675.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Edward Carrington Goddard, class of '81, for a gold medal to be awarded annually to the student making the highest average in the French language and literature 675.00

Hubbard Prize Fund:

Gift of Mrs. Gertrude M. Hubbard, of Washington, D. C., in 1907, to George Washington University in memory of her husband, Gardiner G. Hubbard, for a prize to be awarded annually to the student in the undergraduate department of the University who, having maintained throughout four years a high standing in the classes of American History, may be required to present the best essay upon an assigned topic in this subject 1,000.00

Ordronaux Prize Fund:

Bequest of John Ordronaux, of Glen Head, N. Y., in 1909, to George Washington University, for the establishment of biennial prizes in the Law and Medical Departments 4,762.50

Weddell Prize Fund:
Gift of Mrs. Virginia Chase Weddell, in 1923, to found a prize to be known as the "Alexander Wilbourne Weddell Prize," to be awarded annually to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world $5,000.00

Sterrett Prize Fund:
Gift of Rev. J. Macbride Sterrett, in 1911, to George Washington University, in memory of his son, J. Macbride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining the highest average in physics 300.00

$17,581.50

Medical School, Hospital and Pharmacy Funds:

Cooper Medical Research Fund:
Bequest of Mrs. Eleanor J. Cooper, of Washington, D. C., in 1905, to Columbian University on certain terms since modified by the Supreme Court of D. C., as follows: The income to be devoted towards the establishment and maintenance, in connection with the Medical Department of George Washington University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases $10,000.00

National Park Seminary Hospital Fund:
Gift of students of National Park Seminary, of Forest Glen, Maryland, in 1906, to the George Washington University, for the endowment of a bed in the University Hospital 500.00

Woodbury Hospital Fund:
Bequest of Miss Ellen deQ. Woodbury, of Washington, D. C., in 1909, to George Washington University, for the reception and treatment of female patients in the Hospital belonging to or connected with the University 9,583.33

Chapman Hospital Fund:
Bequest of Mrs. Susanna A. Chapman, of Washington, D. C., in 1911, to George Washington University, to be used for the purposes of the free wards of the University Hospital 1,350.90

Tree Hospital Fund:
Bequest of Lambert M. Tree, of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, for the purpose of establishing one or more beds in perpetuity in the University Hospital to be known as the "Laura M. Tree bed or beds" 10,000.00

Reinhardt Hospital Fund:	
Bequest of Mrs. Luisa Wynne Reinhardt, of Washington, D. C., in 1922, to the University Hospital, to be used for the benefit of the Hospital, as directed by the Board of Trustees	$500.00
Sharpe Medical School Fund:	
Gift of Mary A. Sharpe, Elizabeth M. Sharpe, and Sallie Sharpe, in 1924, to establish a fund in trust, the income to be used exclusively for the Medical School	8,000.00
Lewis Medical School Fund:	
Bequest of Samuel E. Lewis, received in 1925, the income to be used for the support of the Medical School	103,004.15
Board of Lady Managers Hospital Fund:	
Gift of the Board of Lady Managers of George Washington University Hospital, in 1925, to establish a fund, the income to be used for the support of the Hospital	1,000.00
General Hospital Endowment Fund:	
Bequest of Dr. I. M. Cassanowicz	100.00
Gardner Medical School Fund:	
Bequest of William D. Gardner, received in 1928; the income to be used for the support of The School of Medicine	4,486.55
Gibbs Pharmacy Fund:	
Gift of M. G. Gibbs, of Washington, D. C., to The George Washington University; the income to be used to aid in establishing and maintaining a commercial pharmacy course in connection with its School of Pharmacy	10,000.00
	$158,524.93

EXECUTORY TRUST FUNDS

As at August 31, 1929

Non-permanent funds, principal and income usable for the purposes specified by the donors, each trust terminating on its execution.

Executory Trust Funds not Confined to Building Purposes:

Denman Law School Fund:	
Bequest of Hampton Y. Denman, of Washington, D. C., in 1904, to Columbian University, for the use and benefit of the Law Department	$9,185.52
Jacques Law School Fund:	
Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Law School	7,223.92

Jacques Medical School Fund:
Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Hospital of the University — $4,761.47

Mayer Hospital Fund:
Bequest of Theodore J. Mayer, of Washington, D. C., in 1907 (received in 1916), to George Washington University, for the benefit of the University Hospital — 6,254.49

District of Columbia D. A. R. Loan Fund:
A fund contributed by chapters in the District of Columbia to be loaned to children of members — 1,423.53

National League of Masonic Clubs:
Contribution to endow two chairs in the School of Government in 1929-30 — 7,000.00

Addie Sanders Hospital Fund:
Bequest of Addie Sanders by will dated March 13, 1928, to The George Washington University Hospital for such use as the Board of Trustees of the University may see fit — 10,000.00

Engineering Club Room Fund:
A fund created to equip and maintain a club room for the use of students in the Engineering Department — 86.84

William P. Eno Fund:
Donation by Mr. William P. Eno to provide a prize for the best essay on Traffic Regulation for the District of Columbia — 175.00

Student Loan Fund:
A fund to total $5,000, to be created by an annual contribution of $1,000 for five years by The George Washington University. This fund is to be used for the purpose of making short time loans to students. First contribution of $1,000 made October 25, 1928 — 412.06

Swisher Book Fund:
A fund contributed by various donors to be used for the purchase of books on History for the Arts and Sciences Library — 158.69

Administrative Reserve Fund:
A fund created by order of the President of the University to be drawn upon to meet administrative emergencies — 19,872.17

Guggenheim Fund for the Promotion of Aeronautics:
A fund created by The Daniel Guggenheim Foundation for the Promotion of Aeronautics. The money to be used to underwrite the salary of one assistant professor at the rate of $2,000 per year for each of the coming three years — 6,000.00

Plumbing and Heating Institute Fund:

A fund created by sundry persons interested in the plumbing and heating trade to establish an Institute to afford a course of lectures in plumbing and heating $239.51

School of Pharmacy Equipment Fund:

A fund created by sundry persons for the purpose of purchasing equipment for The School of Pharmacy 2,171.50

Reserve for the Protection of Trust Funds Investments 1,481.52
Lafayette Memorial Fund 1,792.87
Maury Memorial Fund 1,803.92
Endowment Restoration and Accretion Fund 3,519.99

$83,563.00

Building Funds:

Law School Building Fund:

Gifts from various persons toward a fund authorized by the Trustees of the University May 31, 1916, for purchasing a site and erecting a Law School building $270.76

General Building Fund:

Gifts from various persons toward a fund authorized by the Trustees of the University May 31, 1916, for purchasing sites, buildings and equipment, remodeling or rebuilding, and paying off obligations. This is an open subscription fund, to be continued and increased indefinitely 3,955.90

Chemistry Building Fund:

Gifts from various persons toward a fund, principal and interest usable for a Chemical Laboratory Building 165.33

Unit No. 3 Fund:

Gifts from various persons to aid in financing the third unit of the building program 35,668.74

Class of 1929 Women, Unit No. 3 Fund:

Gifts from women members of the Class of 1929, to be used in aid of the building of Unit No. 3 ..... 225.46

Medical Building Fund:

Contribution R. C. Withers 105.21

$40,391.40

SCHEDULE "S."

SUMMARY OF ENDOWMENT AND EXECUTORY TRUST FUNDS.

As at August 31, 1929.

Trust Funds:		
General Endowment Funds	$444,589.78	
Professorship Endowment Funds	327,200.63	
Specific Endowment Funds	137,301.37	
Prize Funds	17,581.50	
Medical School, Hospital and Pharmacy Funds	158,524.93	
Total Trust Funds, Schedule "A"		$1,085,198.21
Executory Trust Funds:		
Building Funds	$40,391.40	
Funds Not Confined to Building Purposes	83,563.00	
		123,954.40
Total Executory Trust Funds, Schedule "R"		$1,209,152.61

SCHEDULE "T."

SUMMARY OF ENDOWMENT FUNDS INVESTMENTS.

As at August 31, 1929.

	Endowment	*Executory Trust*	*Totals*
Stocks	$23,005.81	$420.00	$23,425.81
Bonds	240,585.54	55,707.25	296,292.79
Trust Notes	644,430.23	37,000.00	681,430.23
Real Estate	215,059.70	.....	215,059.70
Miscellaneous	150.00	.....	150.00
Int. in Gen. Prop. of Univ.	.....	7,179.32	7,179.32
Totals	$1,123,231.28	$100,306.57	$1,223,537.85
Cash on Hand Awaiting Investment	6,966.93	23,647.83	30,614.76
	$1,130,198.21	$123,954.40	$1,254,152.61
Less: Trust Notes Payable Lewis Properties	45,000.00	.....	45,000.00
	$1,085,198.21	$123,954.40	$1,209,152.61

NOTE: The bequest of Addie Sanders of approximately $250,000.00 is not included in the above statement. The estate has not been fully probated, and the Executors cannot state the exact amount ultimately to come to the University.

SCHEDULE "U."—ENDOWMENT AND EXECUTORY TRUST FUNDS, INCOME AND EXPENSE.
For the year ended August 31, 1929.

	Balance Aug. 31, 1928.		Year ended Aug. 31, 1929.		Balance Aug. 31, 1929.	
	Debit	Credit	Expense	Income	Debit	Credit
Endowment Funds:						
Corcoran Fund			$1,622.92	$1,622.92		
Alumni Endowment Fund		$151.01	171.45	20.44		
1923–24 Campaign Fund			9,172.21	9,172.21		
George N. Acker Fund			15.64	15.64		
Scottish Rite Endowment Fund		567.62	8,472.07	7,904.45		
Congressional Professorship Fund			1,021.14	1,021.14		
Elton Professorship Fund		269.01	497.17	228.16		
Alumni Professorship Fund		438.62	481.87	43.25		
Mitchell Carroll Professorship Fund		8.87	34.94	26.07		
Nancy Yulee Endowment Fund				83.42		$83.42
Art and Archaeology Fund			52.14	52.14		
Addie Sanders Scholarship Fund				12,000.00		12,000.00
Isabella O. King Memorial Fund		4,994.63	15.00	2,087.60		7,067.23
Withington Scholarship Fund		20.22		19.81		40.03
Kendall Scholarship Fund		548.10		234.63		782.73
Davis Scholarship Fund	$51.60			54.46		2.86
Founders of Columbian Women Scholarship Fund		293.52	293.52	260.70		260.70
Ellen M. E. Woodhull Scholarship		207.34	150.00	31.28		88.62
Lewes D. and Myrtie H. Wilson Scholarship Fund		2.42	50.00	52.14		4.56
Third Columbian Women Scholarship Fund		120.29	120.29	156.42		156.42
Metzerott Scholarship Fund			320.00	320.00		
David Spencer Scholarship Fund		32.43				32.43
Byron Andrews Memorial Scholarship Fund		576.29	574.00	262.59		264.88
Powell Scholarship Fund	956.84		2,737.46	5,272.62		1,578.32
Mary Lowell Stone Scholarship Fund		351.39	40.00			311.39
M. M. Carter Scholarship Fund	1.23			1.23		
Nellie Maynard Knapp Scholarship Fund		266.10	207.52	260.70		319.28
H. H. Carter Scholarship Fund	206.25			206.25		
Elma Lewis Harvey Scholarship Fund		848.36	427.00	130.62		551.98
E. V. Brown Scholarship Fund		63.87		62.59		126.46
College Women's Scholarship Fund		49.93	49.93	26.07		26.07
Hope Lodge No. 20 Scholarship Fund		16.00				16.00
Cooper Medical Research Fund		955.57	1,476.97	521.40		
National Park Seminary Hospital Endowment Fund		49.93		26.07		76.00
Woodbury Hospital Endowment Fund		510.04	510.04	499.68		499.68

Chapman Hospital Endowment Fund	.....	65.23	65.23	63.92	.....	63.92
Tree Hospital Endowment Fund	.....	532.22	532.22	522.14	.....	522.14
Reinhardt Hospital Fund	.....	26.61	26.61	26.07	.....	26.07
Sharpe Medical School Fund	.....	.....	420.90	420.90	.....	.....
Lewis Medical School Fund	.....	.....	10,452.04	10,452.05	.....	.01
Board of Lady Managers Hospital Fund	.....	39.92	39.92	52.14	.....	52.14
Gardner Medical School Fund	.....	119.39	.....	233.93	.....	353.32
Gibbs Pharmacy Fund	.....	354.81	876.21	521.40	.....	.....
Davis Prize Fund	.....	149.23	30.00	36.49	.....	155.72
Fitch Prize Fund	.....	648.05	50.00	62.31	.....	660.36
Walsh Prize Fund	.....	389.35	.....	15.64	.....	404.99
Cutter Prize Fund	.....	88.83	100.00	102.14	.....	90.97
Goddard Prize Fund	.....	189.20	92.00	131.34	.....	228.54
Hubbard Prize Fund	$1.31	.....	50.00	52.14	.....	.83
Ordronaux Prize Fund	.....	624.15	200.00	211.74	.....	635.89
Ruggles Prize Fund	40.50	.....	.....	40.50	.....	.....
Weddell Prize Fund	.....	34.02	250.00	260.70	.....	44.72
Sterrett Prize Fund	.....	110.25	.....	21.64	.....	131.89
Staughton-Elton Prize Fund	16.34	.....	.....	16.34	.....	.....
Executory Trust Funds:						
Denman Law School Fund	.....	.....	.....	.....	.....	.....
Jacques Law School Fund	.....	.....	.....	.....	.....	.....
Jacques Medical School Fund	.....	.....	.....	.....	.....	.....
Mayer Hospital	.....	.....	.....	.....	.....	.....
Lafayette Memorial Fund	.....	.....	.....	.....	.....	.....
Maury Memorial Fund	.....	.....	.....	.....	.....	.....
Swisher Book Fund	.....	.....	.....	.....	.....	.....
Administrative Reserve Fund	.....	.....	.....	.....	.....	.....
D. C. D. A. R. Loan Fund	.....	.....	.....	.....	.....	.....
Addie Saunders Hospital Fund	.....	.....	.....	182.49	.....	182.49
Engineering Club Room	.....	.....	.....	.....	.....	.....
Student Loan Fund	.....	.....	.....	.....	.....	.....
Endowment Restoration and Accretion Fund	.....	.....	.....	.....	.....	.....
Reserve for the Protection of Investments	.....	.....	.....	.....	.....	.....
Depew Oratory Fund	.....	.....	.....	3,000.00	.....	3,000.00
Law School Building Fund	.....	.....	.....	.....	.....	.....
General Building Fund	.....	.....	.....	.....	.....	.....
Chemistry Building Fund	.....	.....	.....	.....	.....	.....
Class of 1929 Women Unit No. 3 Fund	.....	.....	.....	.....	.....	.....
Unit No. 3 Fund	.....	.....	.....	.....	.....	.....
Medical Building Fund	.....	.....	.....	.....	.....	.....
	$1,274.07	$14,712.82	$41,698.41	$59,102.72	.....	$30,843.06

SCHEDULE "V."

SUMMARY OF ENDOWMENT AND EXECUTORY TRUST FUNDS.

INCOME AND EXPENSE.

For the Year Ended August 31, 1929.

Unexpended Income, Cash on Hand August 31, 1928:		
Income Credits	$14,712.82	
Deduct Income Debits	1,274.07	$13,438.75
Income for the Year:		
Trust Funds	$55,920.23	
Executory Trust Funds	3,182.49	59,102.72
		$72,541.47
Expense for the Year:		
Endowment Funds		41,698.41
Unexpended Income, Cash on Hand August 31, 1929		$30,843.06

SCHEDULE "W."

THIRD DIVISION—SELF-SUPPORTING DEPARTMENTS.

BALANCE SHEET.

As at August 31, 1929.

Assets.

Current Assets:		
Cash in Bank	$2,541.71	
Inventory—University Stores	7,030.23	
Supplies—Duplicating Bureau	431.98	$10,003.92
Fixed Assets:		
Equipment—Duplicating Bureau		235.00
Total Assets		$10,238.92

Liabilities and Surplus.

Liability to Publication for Cash Balances:		
Ghost	$287.94	
Cherry Tree	70.30	
Colonial Wig	2.02	$360.26
Liability of University Stores to University		6,696.62
Surplus—Profit for Year Ended August 31, 1929, Schedule "X"		3,182.04
		$10,238.92

SCHEDULE "X."

THIRD DIVISION—SELF-SUPPORTING DEPARTMENTS.

Statement of Profit and Loss.

For the Year Ended August 31, 1929.

Hospital Services:			
Receipts		$19,656.64	
Payments		17,250.39	
Net Profit transferred to Profit and Loss			$2,406.25
Medical Services:			
Receipts		$3,867.00	
Payments		3,195.60	
Net Profit transferred to Profit and Loss			671.40
Duplicating Bureau:			
Sales		$5,229.17	
Less: Cost of Sales Supplies	$3,189.77		
Less Supplies Inventory August 31, 1929	431.98		
Cost of Supplies Used	$2,757.79		
Salaries	4,159.20		
Repairs to Equipment	117.49		
Cost of Sales		7,034.48	
Net Loss transferred to Profit and Loss			*1,805.31*
University Stores:			
Sales		$10,039.25	
Less: Cost of Sales			
Opening Inventory, September 1, 1928	$1,696.62		
Purchases	13,665.65		
	$15,362.27		
Closing Inventory, August 31, 1929	7,030.23		
Cost of Sales		8,332.04	
Net Profit transferred to Profit and Loss			1,707.21
Cash Discount on Purchases			202.49
Net Profit transferred to Surplus, Schedule "W"			$3,182.04

SCHEDULE "Y."

THIRD DIVISION—SELF-SUPPORTING DEPARTMENTS.

Statement of Cash Receipts and Payments by University Publications.

For the Year Ended August 31, 1929.

Handbook:		
Cash Balance September 1, 1928 (Minus) ..	*$203.28*	
Receipts	437.15	
	$233.87	
Payments	233.87	
Ghost:		
Cash Balance September 1, 1928	$163.52	
Receipts	1,973.48	
	$2,137.00	
Payments	1,849.06	
Cash Balance August 31, 1929		$287.94
Cherry Tree:		
Cash Balance September 1, 1928 (Minus) ..	*$21.98*	
Receipts	3,290.15	
	$3,268.17	
Payments	3,197.87	
Cash Balance August 31, 1929		70.30
Colonial Wig:		
Cash Balance September 1, 1928	$109.87	
Receipts	432.45	
	$542.32	
Payments	540.30	
Cash Balance August 31, 1929		2.02
Total Cash in Bank to Credit of University Publications, August 31, 1929, Schedule "W"		$360.26

THE GEORGE WASHINGTON UNIVERSITY BULLETIN

EMERITUS PROFESSORS

1929

VOL. C No. 100

WASHINGTON, D. C.

PUBLISHED IN MARCH
MCMXXIX

BY THE UNIVERSITY

AN APPRECIATION

An institution is but the lengthened shadow of the men who have consecrated their lives to its upbuilding. So think for a moment of the many names, carried in our hearts, that together stand for The George Washington University.

As we meet at this time we are especially fortunate in having with us, with but a single exception, the Emeritus Professors living, and we want to express our appreciation for their work which in a great measure makes possible the University of today.

CLOYD HECK MARVIN

15 March 1929

1821–1929

WALTER S. COX
Dean of the Law School, Emeritus

GEORGE McCAULEY DOVE
Professor of Medicine, Emeritus

ALEXANDER Y. P. GARNETT
Professor of Clinical Medicine, Emeritus

THEODORE NICHOLAS GILL
Professor of Zoology, Emeritus

ADONNAM JUDSON HUNTINGTON
Professor of Greek, Emeritus

WILLIAM PATRICK JOHNSTON
Professor of Obstetrics, Emeritus

ALBERT FREEMAN AFRICANUS KING
Dean of the Faculty of Medicine, Emeritus

HARRY KING
Professor of Drawing, Emeritus

NATHAN S. LINCOLN
Professor of Surgery, Emeritus

THOMAS MILLER
Professor of Anatomy, Emeritus

WILLIAM RUGGLES
Professor of Mathematics, Emeritus

GEORGE C. SCHAFFER
Professor of Chemistry, Emeritus

SAMUEL MOORE SHUTE
Professor of English, Emeritus

JAMES MacBRIDE STERRETT
Professor of Philosophy, Emeritus

J. FORD THOMPSON
Professor of Surgery, Emeritus

GRAFTON TYLER
Professor of Medicine, Emeritus

JAMES HOWARD GORE

Professor of Mathematics, Emeritus

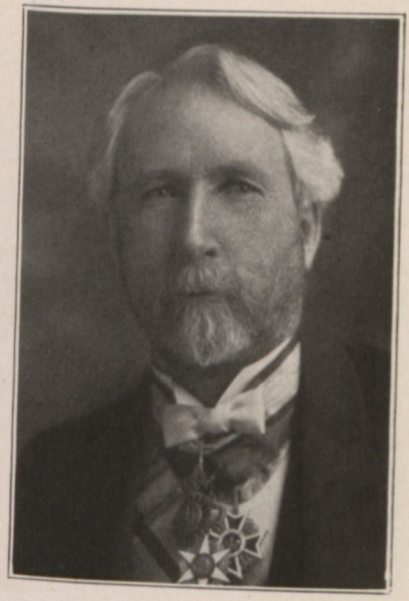
1909–

B.S., The George Washington University, 1879.
Ph.D., The George Washington University, 1888.
LL.D., Georgetown University, 1910.
LL.D., Richmond University, 1911.
Litt.D., The George Washington University, 1918.

Tutor in Mathematics, The George Washington University, 1878-1881.
Adjunct Professor of Mathematics, The George Washington University, 1881-1883.
Professor of Mathematics, The George Washington, University, 1883-1909.

Astronomer, U. S. Geological Survey, 1880-1883.
Civilian Expert, U. S. Coast and Geodetic Survey, 1888-1890.
Lecturer on Trusts, Yale, Princeton and Copenhagen.
Commissioner-General to International Expositions at Antwerp, Amsterdam, Brussels, St. Louis, Liege.
Juror in Chief, Paris Exposition, 1900.
U. S. Delegate at six international congresses.
Decorated by Belgium, Bulgaria, Holland, France, Rumania, Siam, Spain and Sweden.

Arranged in order of entering the service of the University.



HARRY CRECY YARROW

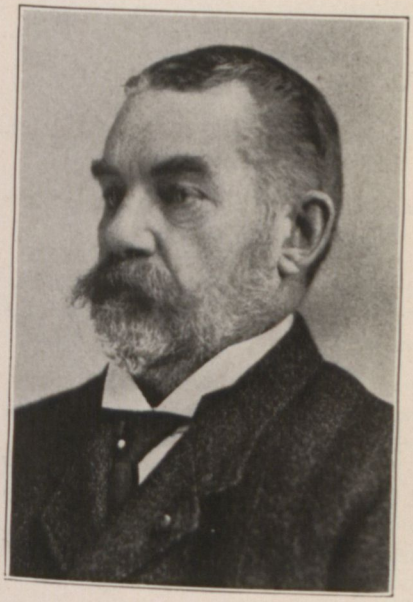
Professor of Dermatology, Emeritus

1912–

Educated at Philadelphia and Geneva, Switzerland.
M.D., University of Pennsylvania, 1861.

Lecturer on Diseases of the Skin, The George Washington University, 1883-1886.
Professor of Dermatology, The George Washington University, 1892-1911.

Surgeon 5th Pennsylvania Cavalry during Civil War; later surgeon and naturalist expedition for exploration of territory west of 100th meridian.
Acting Assistant Surgeon United States Army, 30 years.
Major, Medical Officers' Reserve Corps, United States Army, now Lieutenant Colonel.
Formerly curator Department of Reptiles, United States National Museum.



DANIEL KERFOOT SHUTE

Professor of Ophthalmology, Emeritus

1910–

A.B., Columbian University, 1879.
M.D., The George Washington University, 1883.
Post-graduate course in clinical ophthalmology, Royal London Ophthalmic Hospital and the University of Berlin.

Prosector to chair of anatomy, The George Washington University, 1886-1887.
Lecturer, The George Washington University, 1887-1888.
Professor of Anatomy, The George Washington University, 1888-1910.
(formerly Clinical Professor of Ophthalmology, The George Washington University.

Opthalmologist, Providence Hospital, Central Dispensary and Emergency Hospital, Columbia Hospital, Government Hospital for the Insane, George Washington Hospital.
Fellow, American Association for the Advancement of Science.
Member, Medical Society District of Columbia (ex-pres.).
Member, Medical Association District of Columbia.
Member, Anthropological and Microscopical Societies, Washington.
Member, Association American Anatomists.
Member, Clinico-Pathological Society.
Member, American Medical Association.
Member, Virginia Medical Society.
Member, Society Ophthalmologists and Otologists of Washington (ex-pres.).
Member, Society of the Cincinnati, Sons of the American Revolution.

WILLIAM KENNEDY BUTLER

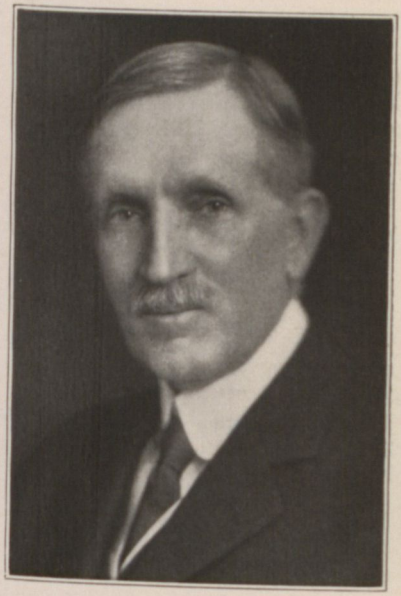
Professor of Ophthalmology, Emeritus

1917–

A.M., The George Washington University, 1879.
M.D., The George Washington University, 1882.
Studied in London and Vienna.

Assistant Demonstrator of Anatomy, The George Washington University, 1886-1887.
Lecturer on Minor Surgery, The George Washington University, 1886-1887.
Professor of Ophthalmology, The George Washington University, 1900-1916.

Surgeon-in-Chief, Lutheran Eye, Ear and Throat Institute, 1889-1917.
Consulting Ophthalmologist, Garfield Hospital, Children's Hospital.
Member, American Medical Association.
Member, Medical Society District of Columbia.
Member, Columbian Historical Society.
Member, American Academy for the Advancement of Science.
Member, American Ophthalmological Society.



CHARLES WILLIAMSON RICHARDSON

Professor of Laryngology and Otology, Emeritus

1924–

Student, Columbian University, 1878-1880.
M.D., Columbian University, 1884.
M.D. also University of Pennsylvania, 1884.
Honorary Sc.D., The George Washington University, 1921.
Honorary Sc.D., The University of Pennsylvania, 1927.

Professor, Laryngology and Otology, The George Washington University, 1891-1924.

Fellow, American Laryngological, Rhinological and Otological Society (pres. 1902-03).
Fellow, American Otological Society (pres. 1914-15).
Fellow, American Laryngological Association.
Fellow, American Climatological and Clinical Society (pres. 1921-22).
Fellow, American College of Surgeons.
Member, Medical Society District of Columbia (pres. 1904).
Member, American Medical Association (Trustee).

CHARLES EDWARD MUNROE

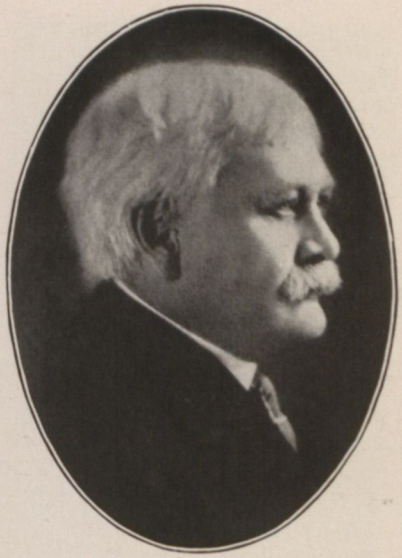
Professor of Chemistry, Emeritus

1918–

S.B., Harvard University, 1871.
Ph.D., The George Washington University, 1894.
LL.D., The George Washington University, 1912.

Assistant in Chemistry, Harvard University, 1871-1874.
Professor of Chemistry, United States Naval Academy, 1874-1886.
Chemist to torpedo corps, U. S. Naval Torpedo Station and War College, 1886-1892.
Head professor chemistry, The George Washington University, 1892-1918.
Dean, Corcoran Scientific School, The George Washington University, 1892-1898.
Dean, Faculty of Graduate Studies, The George Washington University, 1893-1918.

Member, U. S. Assay Committee, 1885, 1890, 1893.
Visitor, U. S. Naval Academy, 1898.
Organized and directed on Analostan Island a voluntary torpedo corps, 1898.
Consulting expert of Engineering Board on defense of Washington, 1898.
Expert special agent in charge chemical industries of the U. S. for censuses of 1900, 1905, 1910.
Consulting expert U. S. Geological Survey, U. S. Bureau of Mines and Civil Service Commission.
Chairman, Advisory Committee, American Railway Association for drafting of regulations governing transportation of explosives, 1905.
Superintendent, denatured alcohol exhibit, Jamestown Exposition, 1907, and member jury on chemicals.
Appointed by Swedish Academy Sciences, 1900, to nominate candidate for Nobel prizes in chemistry.
Inventor of smokeless powder and authority on explosives.
Chairman committee on explosives investigations of National Research Council, 1918.
Chief explosives chemist, U. S. Bureau of Mines, 1919-
Commandant Order of Medjidieh, Turkey, 1901.
Honorary Fellow, American Institute Chemists.
Fellow, Chemical Society, London.
Fellow, American Academy Arts and Sciences.
Fellow, Society Chemical Industry, England.
President, Americal Chemical Society, 1898-1899.
President, Washington Chemical Society, 1895-1896.
Secretary, IIIb 8th International Congress Applied Chemistry.
Secretary on Applied Chemistry of 2nd Pan-American Scientific Congress.
Chairman, Committee on Explosives, American Society Testing Materials.
Member, American Philosophical Society.
Member, Washington Academy Sciences.



GEORGE PERKINS MERRILL

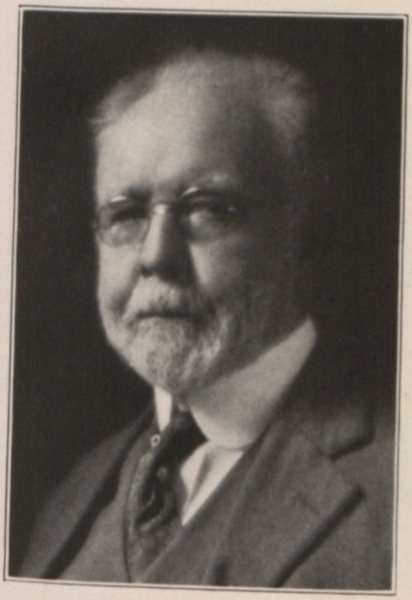
Professor of Geology, Emeritus

1915–

B.S., University of Maine, 1879.
M.S., University of Maine, 1883.
Ph.D., University of Maine, 1889.
Student, Wesleyan University, 1879-1880.
Student, Johns Hopkins University, 1886-1887.
Sc.D., The George Washington University, 1917.

Assistant Chemist, Wesleyan University, 1879-1880.
Assistant in Geological Department, United States National Museum, 1881.
Head curator department geology, United States National Museum since 1897.
Professor Geology and Mineralogy, The George Washington University, 1893-1915.

Expert special agent of 12th Census in stone quarry statistics.
Member, Geological Society America.
Member, Washington Academy Sciences.
Member, National Academy Sciences.
Member, Academy of Science Philadelphia.
Member, American Philosophical Society.
Honorary Corresponding Member, American Institute Architects.
J. L. Smith gold medal, National Academy Sciences, for researches in meteorites.



CHARLES CLINTON SWISHER

Professor of History, Emeritus

1927–

A.B., Yale University, 1876.
Berlin, Heidelberg, and Paris, 1876-1879.
LL.B., Columbia University, 1881.
Ph.D., Cornell University, 1895.
LL.D., Mt. St. Mary's College, 1905.

Professor History, Columbian University, 1896-1899.
Professor Comparative Politics, School of Jurisprudence and Diplomacy, The George Washington University, 1899-1927.

Planted coffee and cocoa in Mexico and South America, 1883-1896.
Commissioned by President Diaz of Mexico to study the condition of coffee production in other countries and possibilities of the eucalyptus for Mexican planting.
Traveled extensively in Europe, Asia, Africa, Australia and South America.

STERLING RUFFIN

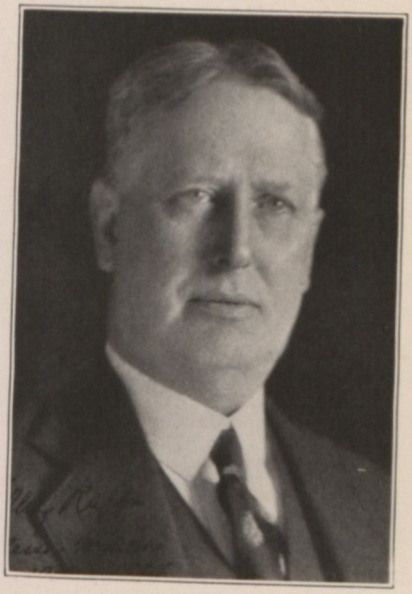
Professor of Medicine, Emeritus

1924–

University of North Carolina, 1882-1884.
M.D. cum laude, Columbian University, 1890.
London School of Tropical Medicine, 1900.

Professor of Medicine, The George Washington University, 1902-

Physician-in-Chief, The George Washington University Hospital.
Visiting Physician, Columbia Hospital.
Consulting Physician, Government Hospital for the Insane, Episcopal Eye, Ear and Throat Hospital, Children's Hospital, United States Public Health Service Hospital.



THE GEORGE WASHINGTON UNIVERSITY

BULLETIN

SUMMER SESSIONS ANNOUNCEMENT 1929

VOL. XXVIII No. 1

WASHINGTON, D. C.

PUBLISHED IN DECEMBER MCMXXVIII

BY THE UNIVERSITY

C. The Fairchild Aerial Surveys, Inc., N. Y. C.

Air View of the Immediate Surroundings of The George Washington University

1. The George Washington University. 2. Interior Department. 3. State Department. 4. White House. 5. Treasury Department.

The George Washington University

SUMMER SESSIONS

1929

ANNOUNCEMENT

Columbian College
The Graduate School of Letters and Sciences
The School of Engineering
The School of Education
The School of Government
The Division of Library Science
The Division of Fine Arts

Six-weeks term: July 1—August 10
Nine-weeks term: June 17—August 17

The Law School

First term: June 17—July 31
Second term: August 1—September 14

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Administrative Officers	6
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General Statement	9
General Regulations and Information for Students	10
Schools and Divisions Offering Summer Courses	17
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CALENDAR OF THE SUMMER SESSIONS

1929

June	14-15 *Friday—Saturday*	Registration period for courses in Columbian College, the Graduate School of Letters and Sciences, the Law School, the School of Engineering, the School of Education, the School of Government and the Division of Library Science.
June	17 *Monday*	Instruction begins in the nine-weeks courses and other courses not starred in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and in the first term of the Law School.
June	28-29 *Friday—Saturday*	Registration begins for six-weeks courses in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government and the Division of Fine Arts.
July	1 *Monday*	Instruction begins in the six-weeks courses marked by a star (*).
July	4 *Thursday*	Holiday.
July	6 *Saturday*	Classes held at the usual hours.
July	30-31 *Tuesday—Wednesday*	Registration period for second term in the Law School.
July	31 *Wednesday*	First term in the Law School ends.
August	1 *Thursday*	Second term in the Law School begins.
August	10 *Saturday*	Six-weeks courses in Columbian College, the Graduate School of Letters and Sciences, the School of Education, the School of Government and the Division of Fine Arts end.
August	17 *Saturday*	Nine-weeks courses in Columbian College, the Graduate School of Letters and Sciences, the School of Education, the School of Government and the Division of Library Science end.
September	14 *Saturday*	Second term in the Law School ends.

THE BOARD OF TRUSTEES

The PRESIDENT of the University, *ex-officio*, and the following persons by election:

1929

CLARENCE AIKIN ASPINWALL, 1140 15th Street.
DOUGLAS PUTNAM BIRNIE, D.D., 2029 Connecticut Avenue.
*JOHN JOY EDSON, LL.B., 915 F Street.
WILLIAM JAMES FLATHER, Riggs National Bank.
ABRAM LISNER, A.M., 1723 Massachusetts Avenue.
CHARLES RIBORG MANN, Ph.D., Sc.D., 26 Jackson Place.
HENRY BENNING SPENCER, A.B., Munsey Building.
WALTER RUPERT TUCKERMAN, A.B., LL.B., Bethesda, Maryland.

1930

NORVAL LANDON BURCHELL, A.M., LL.M., 817-819 14th Street.
KARL WILLIAM CORBY, B.S., 1001 15th Street.
*HARRY CASSELL DAVIS, A.M., L.H.D., Wakefield Hall.
*JESSIE FANT EVANS, A.B. (Mrs. Joshua Evans, Jr.), 3405 Lowell Street.
GILBERT GROSVENOR, A.M., LL.D., Litt.D., National Geographic Society.
THEODORE WILLIAMS NOYES, A.M., LL.M., LL.D., The Evening Star.
JOHN BARTON PAYNE, LL.D., 1601 Eye Street.
CHARLES HARRIES WOODHULL, 1767 Massachusetts Avenue.

1931

JULIUS GARFINCKEL, 1226 F Street.
CHARLES CARROLL GLOVER, JR., A.M., LL.B., 1508 H Street.
JOHN HENRY COWLES, 1733 16th Street.
JOHN HAYS HAMMOND, A.M., E.D., LL.D., 2221 Kalorama Road.
*WILLIAM BRUCE KING, A.M., LL.M.,. 1728 17th Street.
*STEPHEN ELLIOTT KRAMER, B.S., A.M., Franklin Administration Building.
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1928–1929

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KENNETH GOODEMOOT, A.B. . . . . *Fellow in Chemistry*
CAREY BIRDSONG JACKSON, B.S. . . . . *Fellow in Chemistry*

THE SUMMER SESSIONS

1929

GENERAL STATEMENT

THE UNIVERSITY

The George Washington University is the successor of The Columbian College in the District of Columbia which was chartered by an act of Congress approved February 9, 1821. In 1873 the name was changed to Columbian University and in 1904 to The George Washington University.

THE SUMMER SESSIONS

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses given during the regular session. Courses are offered in Columbian College, the Graduate School of Letters and Sciences, the Law School, the School of Engineering the School of Education, the School of Government, the Division of Library Science and the Division of Fine Arts.

The Summer Sessions offer to students an opportunity to continue University work during the summer period. For teachers and librarians a wide range of professional courses is available. The educational value of a visit to the nation's capital is of great importance, as the knowledge gained forms a background for both intelligent and appreciative citizenship. History, geography, literature, civics and current events are all vivified by a first hand knowledge of Washington and its environment.

THE UNIVERSITY LIBRARY

The University Library containing 80,000 volumes consists of the general library, which includes special collections in Classical Philology, German, English, French and Spanish and departmental collections in Fine Arts, Library Science and Engineering, and laboratorial collections in Botany, Zoology, and Chemistry, and the professional libraries in Law, Medicine and Pharmacy. The Library is open from 8:30 A. M. to 9:30 P. M. every day except Saturday and Sunday throughout the summer terms.

Students have access to many other libraries in the District of Columbia, including the Library of Congress. Among the governmental and institutional collections are some of the most important special libraries in existence. The Public Library of the District of Columbia offers many advantages to students.

INFORMATION AND REGULATIONS

Reservation of Right to Change Rules. Registration in the University Summer Sessions is for one term at a time. Acceptance of a student does not in any way obligate the University to accept the student for any subsequent session. The right is reserved to drop any student, whenever, in the interest of the student or the University the Faculty deems it advisable to do so. The Faculty reserves the right to modify or change requirements, rules or fees of the University Summer Sessions.

ADMISSION

All departments of the University are open to men and women.

Registration Period. Students may enter Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government and the Division of Library Science at the beginning of either semester or of the summer terms. For the time of admission to the School of Medicine, the Law School, the School of Pharmacy and the Division of Fine Arts see the announcement of the schools.

General Requirements. The requirement for admission to Columbian College, the School of Engineering, the School of Education, the School of Pharmacy, the School of Government and the Divisions of Library Science and Fine Arts, is a certificate of graduation from a four-year high school course, or its equivalent, amounting to at least fifteen "units." A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. It includes in the aggregate not less than 120 sixty-minute hours of prepared class room work. For prescribed studies, see the specifications of each school.

Candidates for admission may present certificates of admission or take entrance examinations.

Certificates. Certificates will be accepted only from accredited schools and must give in detail the grades obtained by the student, must specify the passing grade and the certifying grade, and must contain definite recommendations from the principal in regard to admission to college. The University Examiner will, on application, furnish certificate blanks to the principals of such schools. Applicants presenting certificates from unaccredited schools will be admitted only on passing entrance examinations. All records shall be certified on the blank provided by the University and must come directly to the University Examiner from the school concerned.

Examinations. Candidates for admission who do not furnish certificates of graduation from accredited high schools will take the examinations in the entrance subjects offered by the College Entrance Examination Board.

The examinations of the College Entrance Examination Board are held each spring in Washington and other centers. These examinations will be given in Washington at the George Washington University June 17th to 22nd, inclusive, 1929. Applications for examinations should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York City.

Conditions. A graduate from an approved high school who does not have the proper distribution of subjects to meet the prescribed units may be admitted, on condition, to courses other than the medical courses, if such irregularity is in not more than two units.

All conditions must be removed by the end of the freshman year (completion of 30 semester hours.)

Description of Requirements. The fifteen units offered for admission to Columbian College, the School of Education, the School of Pharmacy, the School of Government, the Division of Library Science, and the Division of Fine Arts except the Department of Architecture shall include: English 3 units; Language 2 units; Algebra 1 unit; Plane Geometry 1 unit; Electives 8 units; Total 15 units.

The fifteen units offered for the entrance to the School of Engineering shall include: Chemistry 1 unit; Algebra 2 units; Plane Geometry 1 unit; Solid Geometry ½ unit; Trigonometry ½ unit; Electives 3 units; Total 15 units.

The requirements for admission to the Department of Architecture shall include: English 3 units; Foreign Language (preferably French) 2 units; History 1 unit; Chemistry 1 unit; Plane and Solid Geometry 1½ units; Elementary and Advanced Algebra 2 units; Plane Trigonometry ½ unit; Electives 4 units; Total 15 units.

Detailed description of the requirements in each subject will be found in the general catalogue of the University.

Graduate and Professional Schools. For requirements for admission to the Graduate School of Letters and Sciences, the School of Medicine, the Law School, and the School of Nursing see the announcements of the schools.

ADVANCED STANDING

Applicants for admission with advanced standing to undergraduate curricula are required to present certificates of standing and honorable dismissal from the school or college last attended. Credit in accordance with the rules of the various schools may be given for properly certified courses of study in accredited colleges and universities.

SPECIAL STUDENTS

Persons at least twenty-one years of age may apply for admission as special students in accordance with the regulations of the school which they wish to enter. They should limit their choice of courses to the field in which they have particular training and experience. Applicants are required to obtain the approval of their choice of courses by the chairman of the department concerned, in order to receive the approval of the Dean of the college they desire to enter.

AUDITORS

With the permission of the instructor a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

RIGHT TO REFUSE ADMISSION

The University reserves the right to refuse admission to any student whose preparatory work has been of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

REGISTRATION

Before attending any University class each student must present himself in person for registration. Students who have not previously filed satisfactory credentials (see Admission) are not eligible to register as candidates for degrees.

Registration period for the Summer Sessions:

Students in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science and the Division of Fine Arts will register in Corcoran Hall, 725 21st Street, N. W. The time for registration is as follows: from 8 A. M. to 12 and 2 P. M. to 6 P. M., June 14 and 15 for the nine-weeks term, and June 28 and 29 for the six-weeks term.

Registration for credit in any classes offered by Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science or the Division of Fine Arts closes on the third day after the class has started, and no change in program will be permitted after that time. For registration procedure in the Law School consult the announcement of the School, page 20.

The Summer Sessions constitute a regular short term of the University. Students dropped or suspended from any department of the University for any reason may not register in the Summer Sessions during the period of suspension.

FEES AND EXPENSES

All fees are payable at the office of the Comptroller, 2033 G Street, N. W.

A statement of the fees and regulations in the Law School will be found in the announcement of the school on page 20. The fees and regulations in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science and the Division of Fine Arts are as follows:

Tuition Fee for each semester-hour of work taken	$7.00
Registration Fee	3.00
Late Registration Fee (for registration after the registration days)	5.00
Reinstatement Fee	4.00
Laboratory Fees:	
Architecture 1-2, 4, 21, 26, 27, 28, 125, 126, 127, 128, 141, 142	$4.00
Botany 1 and 2, each	5.00
Chemistry 5 and 6, each	4.00
Chemistry, 121, 141, 142, 145, 146, 297, and 298	10.00
Education 136	2.00
Geology 1 and 2, each	2.50
Graphic Art 5-6, 21, 22, 105-106, 121-122, 123	3.00
Physics 7 and 8	5.00
Psychology 120	3.00
Zoology 131 and 132, each	5.00
Breakage Deposits, the amount paid in excess of breakage to be returned:	
Chemistry 5 and 6	$15.00
Chemistry 121, 141, 142, 145, 146, 297, and 298	20.00
Microscope Rental:	
Zoology 3	5.00

FINANCIAL REGULATIONS

Fees are due upon registration, but the nine-weeks students may pay their fees in three equal installments, at the time of registration, July 1 and July 15, and the six-weeks students in two equal installments, at the time of registration and July 15. Students whose fees are not paid in full three days after the final dates mentioned and who have not made arrangements for later payment with the Comptroller will be dropped.

Delinquency. No student may register in any department of the University who owes fees in any other department of the University, and no student may reregister in any year who owes fees from any previous year.

Auditors are charged the same fees as students who register for credit.

High school and other scholarships do not apply to work taken during the Summer Sessions.

WITHDRAWAL

Students who are compelled to withdraw before the end of the session should promptly notify the Dean with whom they registered. Refunds of periodical payments will not be made. As the fiscal year of the University ends August 31, no requests for refunds can receive consideration after that date.

No permission to withdraw and no certificate of work done will be given a student unless all fees and dues chargeable up to the date of official withdrawal have been paid. A STUDENT IS LIABLE FOR ALL CHARGES FOR COURSES FOR WHICH HE HAS REGISTERED UNTIL DUE NOTICE OF WITHDRAWAL IS RECEIVED BY THE DEAN. NOTICE TO AN INSTRUCTOR OF WITHDRAWAL DOES NOT CONSTITUTE DUE NOTICE OF WITHDRAWAL.

EMPLOYMENT

Tht University maintains an employment bureau, which will assist prospective students to find employment. Prospective students should have the means of support for at least half a year to give them time to secure positions. Summer students are advised to count on earning only a small portion of their expenses during the Summer Sessions.

Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue a limited college course in the late afternoon.

HOUSING FACILITIES

The George Washington University maintains no dormitories. For the benefit of non-resident students registers of rooms which have been inspected and approved are kept in the offices of the Dean of Women and the Dean of Men, where inquiries in respect to housing facilities should be addressed. Satisfactory accommodations can be found near the University.

Single rooms usually cost from twenty to thirty dollars a month, and double, from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

The Dean of Men and the Dean of Women will mail lists of houses on request. Since renting by mail is unsatisfactory students are advised to make personal inspection before engaging rooms.

All women students under twenty-three years of age must have their residence approved by the Dean of Women, unless they are living with family or relatives. Registration is not complete until such approval is given.

AMOUNT OF WORK

a. No student may take more than three courses aggregating nine semester-hours of credit. No part-time student may take more than two courses aggregating six semester-hours of credit.
b. Students registered only during the six-weeks term may take not more than three courses aggregating six semester-hours of credit. Part-time students in the six-weeks term may take not more than two courses aggregating four semester-hours of credit.
c. Students in the Law School may not take more than four semester-hours in each summer term.

ATTENDANCE

Students are not permitted to attend classes until registration has been completed and the first tuition payment has been made. Regular attendance is required.

GRADES

As soon as possible after the close of the Session reports are issued to students through the office of the Registrar. Grades are not given out by instructors.

The following grades are given in Columbian College, the Graduate School of Letters and Sciences, the School of Engineering, the School of Education, the School of Government, the Division of Library Science and the Division of the Fine Arts:

A (90–100), excellent; B (80–89), good; C (70–79), average; D (60–69), passing; E (below 60), condition, not passing; F, failure; "Incomplete."

A condition may be made up with the grade D by compliance with conditions set by the instructor. The grade F may not be made up and credit may be received only by repeating the course. No graduate credit is given for courses with the grade D.

TRANSFER OF RECORDS

Official transcripts of student records will be forwarded on request direct to other institutions. Copies of records will be furnished to students on request. No charge is made for the first transcript or copy; a fee of one dollar is charged for each one thereafter.

REGULATIONS GOVERNING STUDENTS

Conduct. A student enrolled in the University is required to obey the general University regulations and to comply with the rules and regulations of the faculty of the college in which he is registered and to conduct himself at all times with decorum and propriety. On failure to comply with any regulation, or because of unseemly conduct, the student may be placed on probation by the Dean of his college, or may be recommended for suspension or expulsion from the University.

Personal Property. The University is not responsible for the loss of personal property belonging to students in any building occupied by the University.

COLUMBIAN COLLEGE

CHARLES EDWARD HILL, Ph.D., *Dean of the College.*

Columbian College, the college of letters and sciences of The George Washington University, was founded in 1821. This college offers courses leading to the degrees of Bachelor of Arts, Bachelor of Science and pre-professional courses.

ADMISSION

See general admission requirements on page 10.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree, the student must satisfy the admission and curriculum requirements. The curriculum requirements include one hundred and twenty semester-hours of undergraduate courses, at least thirty semester-hours of which must be completed in Columbian College. Residence may be satisfied in whole or in part in the Summer Session, by periods aggregating not less than thirty weeks. For additional information regarding requirements, see the Columbian College announcement in the general catalogue.

COURSES OF INSTRUCTION

Statement of courses offered in the Summer Session will be found listed in alphabetical order beginning on page 27.

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

GEORGE NEELY HENNING, A.M., Litt.D., *Dean of the School.*

The Graduate School of Letters and Sciences was founded in 1893. Higher degrees conferred in course by the University in this school are Master of Arts and Doctor of Philosophy.

ADMISSION

To be admitted to candidacy for a higher degree a student must usually present a Bachelor's degree from an accredited institution. Students from non-accredited institutions may be admitted, at the discretion of the Graduate Council. Such students shall be required to take such extra work above minimum requirements for the degree sought as may be prescribed, and shall not be admitted to candidacy for a higher degree unless so recommended by the major department after the completion of at least one semester's work. The course of study pursued for the Bachelor's degree must have been such as to qualify the candidate for pursuing the subjects chosen for the higher degree sought.

Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

Candidates for admission to courses for the Master's and Doctor's degrees must make application to the Dean of the Graduate School of Letters and Sciences.

Properly qualified students may be admitted as *Students in Attendance*, without becoming candidates for degrees.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Master of Arts may be satisfied by Summer Session attendance. These requirements involve, in addition to the thesis, the satisfactory completion of twenty-four semester-hours of work forming a consistent plan of study, or one semester and one summer term of nine weeks, or three summer terms of nine weeks each, or four summer terms of six weeks each. The candidate's choice of subjects must be approved by his major department and by the Dean of the Graduate School of Letters and Sciences. Students should consult the Dean and the Chairman of the major department before registering. For a detailed statement of the requirements for the Master's and the Doctor's degrees, the student is referred to the announcement of the Graduate School of Letters and Sciences in the general catalogue.

COURSES OF INSTRUCTION

Credit

Courses numbered 1–99 may under no circumstances count toward any higher degree, though a graduate student may be allowed to take them without receiving credit. Courses numbered 100-199 may count toward a higher degree only when the candidate secures at the time of registration the written approval of the department concerned and completes the extra work required for graduate credit in such courses. All courses numbered 200 or above may be counted toward a higher degree.

Courses Offered

Statement of courses offered in the Summer Session will be found listed in alphabetical order beginning on page 27.

THE LAW SCHOOL

HECTOR GALLOWAY SPAULDING, A.B., LL.B., S.J.D., *Acting Dean of the Law School, Summer Session of 1929.*

The Law School established in 1865, is the oldest in the District of Columbia. It is a member of the Association of American Law Schools, and is approved by the Council of Legal Education of the American Bar Association. The degrees of Bachelor of Laws and Master of Laws are conferred.

The Summer Session will cover a period of thirteen weeks, divided into two terms of six and one-half weeks each. Classes in the first term will begin Monday, June 17, and end Saturday, July 27. Examinations will be held July 29, 30, 31. Classes in the second term will begin Thursday, August 1, and end Wednesday, September 11. Examinations will be held September 12, 13, and 14. Thursday, July 4, and Monday, September 2, will be holidays.

The Summer Session is a regular part of the work of the school. The character of the instruction and the amount and grade of work required are the same as that of the regular academic year. Subjects have been selected to afford work both for students beginning the study of law and for advanced students. Full credit is given for subjects completed by regularly qualified students in the Summer Session.

By attendance at the Summer Session the period of study for a degree may be shortened. In no case, however, will the degree of Bachelor of Laws be conferred upon a student who has had less than the required period of attendance, three academic years for full time and four academic years for part time students.

ADMISSION

The requirements for admission are the same as those for the regular sessions, as stated in the Law School announcement in the general catalogue. For candidates for the degree of Bachelor of Laws the requirement is the completion before admission of two years of college work, sixty semester-hours. Students from other law schools may be admitted for the Summer Session only as regular or as unclassified students.

Registration should be completed on the registration days, June 14 and 15 and July 30 and 31. Students may register for one or both terms. No students will be permitted to register after the first week of a term.

REQUIREMENTS FOR DEGREES

See the Law School announcement in the general catalogue.

FEES

1. Registration fee (payable once, upon first registration in the Law School) $3.00
2. Tuition fee, per semester credit 8.00
3. Late registration fee (for registration after the registration days). 5.00

Fees for each term are payable in advance at the beginning of the term.

A student who is compelled to withdraw before the end of a term, should notify the Dean of the Law School at once. In such cases, if there is prompt notification, a fair adjustment of fees will be made, the reasons for withdrawal being considered. In such cases, however, at least $5.00 of the tuition fees paid in addition to the registration fee will be charged to the student and not refunded. No reduction will be made for withdrawal after the middle of a term or for late registration.

CREDIT

Students may obtain a maximum of four semester hours credit in each term by attendance in two subjects aggregating ten periods per week.

GRADES

The grade of a student in each subject is indicated by the letter P, Pass; D, Conditional Pass; or F, Failed. At the end of the Summer Session each student is given an average numerical grade for his work for the session. These numerical grades rank as follows: A, excellent, 85–100; B, good, 75–84; C, pass, 55–64; F, failure, below 55.

COURSES OF INSTRUCTION

The schedule is so arranged that work may be taken in the morning or in the late afternoon, or part in the morning and part in the late afternoon.

Classes in morning subjects are held from Tuesday to Saturday, inclusive; classes in afternoon subjects from Monday to Friday, inclusive.

Statement of courses offered in the Summer Session will be found listed in alphabetical order beginning on page 37.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and other federal courts, the English Reprints and English Law Reports, the United States statutes, the statutes of several states, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading text books and legal periodicals.

The library is open from 9:00 A. M. to 10:00 P. M. Monday to Friday inclusive and from 9:00 A. M. to 1:00 P. M. on Saturday.

THE SCHOOL OF ENGINEERING

JOHN RAYMOND LAPHAM, M.S. in C.E., *Dean of the School.*

The School of Engineering was organized in 1884 under the name of the Corcoran Scientific School of the University. This school offers courses leading to the Bachelor's degree in Civil Engineering, Electrical Engineering and Mechanical Engineering.

ADMISSION

See general admission requirements on page 10.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree a student must satisfy all entrance requirements and complete at least one hundred and forty semester-hours of undergraduate work in accordance with the curriculum specifications of the degree for which he is registered. At least thirty semester-hours must be completed at The George Washington University.

Full description of requirements for degrees will be found in the announcement of the School of Engineering in the general catalogue.

COURSES OF INSTRUCTION

Statement of courses offered in the Summer Session will be found listed in alphabetical order beginning on page 27.

THE SCHOOL OF EDUCATION

WILLIAM CARL RUEDIGER, Ph.D., *Dean of the School.*

The School of Education in The George Washington University was established in 1907 It is the purpose of this school to prepare teachers, supervisors, and administrators for the higher ranges of educational service. To achieve these ends the school provides a four-year college course. The first two years are devoted to a foundation of general culture courses, and the last two to professional courses and to specialization in the subjects which the student expects to teach. The schedule of courses is arranged so as to meet the convenience of both full-time and part-time students. By attending the Summer Session, afternoon and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

See general admission requirements on page 10.

All persons satisfying the entrance requirements are admitted as regular students. Others may be admitted as special students to certain classes on the presentation of evidence that they are qualified to pursue the work to advantage.

Beginning with the school year of 1929–30 the School of Education will assume the status of a senior college. Admission will be based on (a) the satisfactory completion of 60 semester-hours of approved college work, (b) graduation from an approved two-year normal school or, (c) the equivalent of (a) or (b) preceding.

REQUIREMENTS FOR GRADUATION

Including the work completed in a normal school or in the freshman and sophomore years in college, and the specified curriculum requirements, the degree of Bachelor of Arts in Education is conferred on the completion of courses of study amounting to at least 126 semester-hours. A minimum of one full year of work, that of the senior year, must be completed in residence. Summer Session work may be counted on residence, but in no case may the periods of attendance aggregate less than thirty weeks. For a detailed statement of the requirements, see the announcement of the School of Education in the general catalogue.

COURSES OF INSTRUCTION

Statement of courses offered in the Summer Session will be found listed in alphabetical order beginning on page 27.

THE DIVISION OF FINE ARTS

_____, *Director of the Division.*

The Division of Fine Arts is composed of the Department of Architecture which offers a four-year professional course leading to the degree of Bachelor of Architecture, and the Department of Graphic Art which offers courses in which the student may earn the degree of Bachelor of Arts with a major in Art.

ADMISSION

For general admission requirements see page 10.

REQUIREMENTS FOR GRADUATION

To be recommended for a degree, the candidate must have satisfied the admission, residence, physical education and scholarship requirements, and have completed the course of study prescribed. For the degree of Bachelor of Architecture, 140 semester-hours of credit are required. For the degree of Bachelor of Arts, 120 semester-hours of credit are required. For full details of the requirements for the degrees, see the announcement of the Division of Fine Arts in the general catalogue.

COURSES OF INSTRUCTION

A statement of courses offered in the Summer Session will be found listed in alphabetical order, beginning on page 27.

COURSES OF INSTRUCTION

Courses preceded by a star (*) begin on July 1, all other courses begin on June 17, unless otherwise stated. Courses corresponding approximately to those offered during the regular session of 1928–1929 are given corresponding numbers. The number of semester-hours credit given is indicated in parenthesis following the name of the course.

Courses called for by less than ten students may be withdrawn.

Unless otherwise stated classes meet daily except Saturday.

Major: Candidates for degrees taking major work in any of the divisions of instruction in which summer courses are given are advised to consult the statement of major requirements in the general catalogue before selecting courses.

ECONOMICS

JOHN DONALDSON, Ph.D., *Professor of Political Economy, Executive Officer.*

RICHARD NORMAN OWENS, Ph.D., C.P.A., *Professor of Accounting and Business Administration.*

HAROLD GRIFFITH SUTTON, M. S., *Associate Professor of Economics.*

1–2. *Principles of Economics* (3–3) — Sutton
Daily, 5:10 to 7:00 P. M.

21–22. *Principles of Accounting* (3-3) — Owens
Daily, 5:10 to 7:00 P. M.

109–110. *Commercial Geography* (3-3) — Donaldson
Prerequisite: Courses 1–2. Daily, 5:10 to 7:00 P. M.

119. *Money and Banking* (3) — Sutton
Prerequisite: Courses 1–2. Daily, 7:40 A. M.

145. *Managerial Accounting* (3) — Owens
Daily, 7:00 P. M.

153. *Principles of Railway Transportation* (3) — Donaldson
Prerequisite: Courses 1–2. Daily, 7:40 A. M.

EDUCATION

WILLIAM CARL RUEDIGER, Ph.D., *Professor of Education.*
JESSIE ELIZABETH LASALLE, A.M., *Professional Lecturer in Education.*
TANJES HENRY SCHUTTE, Ph.D., *Visiting Professor of Education.*
J. ORIN POWERS, Ph.D., *Associate Professor of Education.*
THELMA HUNT, Ph.D., *Instructor in Psychology.*

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*103. *Psychology for Teachers* (2) — Hunt
See Psychology 103. Daily, 9:40 A. M.

*104. *Statistical Methods in Education* (2) — Hunt
See Psychology 104. Daily, 10:40 A. M.

111. *History of Education* (3) — Powers
First three weeks, ancient, Greek and Roman education. Last six weeks, medieval and modern education. This course may be entered July 1 for two semester-hours of credit. Daily, 7:40 A. M.

*115. *Principles of Education* (2) — Ruediger
The bases, meaning, objectives and content of education with special reference to the principles underlying the curriculum. Daily, 10:40 A. M.

*120. *Psychological Tests* (2) — Hunt
See Psychology 120. Daily, 7:40 A. M.

*126. *Technique of Teaching* (2) — Ruediger
The principles underlying the teaching process with special reference to the nature and meaning of the subject-matter taught. Daily, 7:40 A. M.

*136. *Tests and Measurements* (2) — Schutte
The status and significance of measurement in education and the utilization of the data obtained in guiding instruction and study. Material fee $2.00. Daily, 11:40 A. M.

*147. *Elementary Education* (2) — LaSalle
Psychology of the elementary school subjects. Analysis of the learning processes in arithmetic, reading, composition, hand-writing, spelling, fine and industrial arts, and the social sciences. The principles revealed are applied to the improvement of classroom instruction. Daily, 8:40 A. M.

*151. *The High School* (2) Schutte

Recent growth in secondary education; aims and functions; type of reorganization; program of study; classification and guidance; extra-curricular activities; plant; costs; standardization. Daily, 9:40 A. M.

*152. *The Junior High School* (2) Powers

Special purposes of the junior high school and the appropriate reorganization to achieve them; the program of studies; classification of pupils; types of reorganization; history of the movement. Daily, 10:40 A. M.

*157. *The Social Studies* (2) Schutte

The teaching of geography, history, etc., with special reference to junior and senior high schools. Daily, 8:40 A. M.

*158. *Teaching of English* (2) Croissant

Objectives; selection of subject-matter; methods of instruction; correlation with other school activities; testing results. Daily, 11:40 A. M.

*187. *Supervision* (2) LaSalle

Purposes, functions and methods of supervision; standards for judging lessons, teachers, and pupil-growth; analysis of teaching procedures; development of morale and professional growth. The principal will be considered as the business manager of the school, as a social director, and as an educational and community leader. Daily, 9:40 A. M.

*226. *Seminar* (3) Ruediger

A review of recent text-books and investigations in the technique of teaching. A paper embodying constructive scholarship is required of each member of the class. Daily, 11:40 A. M.

*251. *Seminar* (3) Powers

Problems in high school administration. Admission by consent of the instructor. Daily, 8:40 A. M.

ENGINEERING

JOHN RAYMOND LAPHAM, M.S., *Professor of Civil Engineering, Dean.*

OWEN BERT FRENCH, C.E., *Professor of Civil Engineering.*

JAMES HENRY PLATT, M.E., *Associate Professor of Mechanical Engineering.*

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5. *Civil Engineering* (2) French

Elementary Surveying. The use of the compass, transit, and level. Lecture recitation daily except Saturday: 5:10 to 7:00 P. M.; Field work Saturdays: 1:00 to 7:00 P. M., June 7 to 22 inclusive. Text book, Volume I of Surveying by Breed and Hosmer.

25–26. *Civil Engineering* (2-2) Lapham

Materials of Construction. Non-metallic materials with emphasis on cement, Metallic materials with emphasis on iron and steel. Textbook work is supplemented by special topics and by trips to testing laboratories and manufacturing plants. Monday to Friday inclusive, 5:10 to 7:10 P. M. for six-week session beginning June 17.

33. *Mechanical Engineering* (2) Platt

Engineering Economics. Problems: Consideration of the first cost operating expense, depreciation and salvage value of equipment used in the various fields of engineering. Prerequisite: Economics 159. Daily except Saturday at 7:45 A. M. for six weeks beginning June 17. Textbook, Engineering Economics, by Fish.

ENGLISH

WILLIAM ALLEN WILBUR, A.M., Litt.D., *Professor of English.*

DEWITT CLINTON CROISSANT, Ph.D., *Professor of English, Executive Officer.*

ROBERT WHITNEY BOLWELL, Ph.D., *Associate Professor of English.*

AUDLEY LAWRENCE SMITH, A.M., *Assistant Professor of English.*

COURTLAND DARKE BAKER, A.M., *Instructor in English.*

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*1. *English Rhetoric* (3) — Wilbur, Baker
First half. Daily, 5:10 P. M.

*2. *English Rhetoric* (3) — Wilbur, Baker
Second half. Daily, 6:10 P. M.

51. *Survey of English Literature* (3) — Bolwell
First half. Daily, 5:10 P. M.

52. *Survey of English Literature* (3) — Bolwell
Second half. Daily, 6:10 P. M.

*135. *Shakespeare* (2) — Wilbur
Daily, 4:10 P. M.

*142. *The Neo-Classical Movement* (2) — Croissant
Daily, 9:40 A. M.

152. *The Romantic Movement* (3) — Baker
Daily, 6:10 P. M.

*153. *Early Nineteenth Century Prose* (2) — Smith
Daily, 8:40 A. M.

*156. *Shelley* (2) — Smith
Daily, 9:40 A. M.

161. *Victorian Poetry* (3) — Baker
Daily, 5:10 P. M.

171. *American Literature* (3) — Bolwel
Daily, 7:00 P. M.

*193. *The Teaching of English* (2) — Croissant
Daily, 10:40 P. M.

*242. *Studies in Neo-Classical Literature* (2) — Croissant
Daily, 7:40 A. M.

FINE ARTS

NORRIS INGERSOLL CRANDALL, M.Arch., *Professor of Architecture.*
DONALD CHENOWETH KLINE, B.Arch., *Instructor in Architecture.*
EUGEN WEISZ, *Associate in Graphic Art.*
MARIE E. WALCOTT, A.M., *Associate in Graphic Art.*

ARCHITECTURE

*1–2. *Architectural Drawing* (2) — Kline and Associates
Stone jointing, freehand lettering and mechanical perspective. From 1:10 to 4:00 P. M.

*4. *Shades and Shadows* (2) — Kline and Associates
Methods of casting the conventional shades and shadows used in architectural design. Prerequisite: Descriptive Geometry, From 1:10 to 4:00 P. M.

*21. *Elements of Architecture* (2) — Kline and Associates
Classical orders and their application to simple architectural subjects. From 1:10 to 4:00 P. M.

*26. *Freshman Design* (4) — Kline and Associates
Simple problems in architectural design. Prerequisite: Shades and Shadows and the Elements of Architecture. From 9:10 A. M. to 12 and 1:10 to 4:00 P. M.

*27. *Sophomore Design* (4) — Kline and Associates
Projet and sketch problems. From 9:10 A. M. to 12, and 1:10 to 4:00 P. M.

*28. *Sophomore Design* (4) — Kline and Associates
Continuation of Architecture 27. From 9:10 A. M. to 12, and 1:10 to 4:00 P. M.

*125. *Junior Design* (3) — Crandall
Monday, Wednesday and Friday, 9:10 A. M. to 12, and 1:10 to 4:00 P. M.

*126. *Junior Design* (3) — Crandall
Monday, Wednesday and Friday, 9:10 A. M. to 12, and 1:10 to 4:00 P. M.

*127. *Senior Design* (3) — Crandall
Monday, Wednesday and Friday, 9:10 A. M. to 12, and 1:10 to 4:00 P. M.

*128. *Senior Design* (3) Crandall

Monday, Wednesday and Friday, 9:10 A. M. to 12, and 1:10 to 4:00 P. M.

*141. *Office Practice* (2) Crandall

Working drawings, details, and specifications. Prerequisite: Architectural Construction. From 1:10 to 4:00 P. M.

*142. *Office Practice* (2) Crandall

Continuation of Architecture 141. From 1:10 to 4:00 P. M.

GRAPHIC ART

*5–6. *Pencil Sketching* (2) Weisz and Associates

Elementary instruction in the pencil technique of sketching landscape and architectural subjects. From 1:10 to 5:00 P. M.

*21. *Water Color* (2) Weisz and Associates

Elementary instruction in the technique of water color sketching of landscape and architectural subjects. From 1:10 to 5:00 P. M.

*22. *Water Color* (2) Weisz and Associates

Continuation of Graphic Art 21. From 1:10 to 5:00 P. M.

*31. *Art Structure* (2) Walcott

Principles of Art Structure for students who are preparing to teach art in secondary schools. Daily at 8:40 A. M.

*105–106. *Advanced Pencil Sketching* (2) Weisz and Associates

Sketching and Composition of landscape and architectural subjects. From 1:10 to 5:00 P. M.

*121–122. *Advanced Water Color* (2) Weisz and Associates

Sketching and composition of landscape and architectural subjects. From 1:10 to 5:00 P. M.

*123. *Sketching in Oil* (2) Weisz and Associates

Sketching and composition of landscape and architectural subjects. From 1:10 to 5:00 P. M.

GEOLOGY

RAY SMITH BASSLER, Ph.D., *Professor of Geology, Executive Officer.*
EDWARD PORTER HENDERSON, M.S., *Associate in Mineralogy.*

1–2. *Elementary Mineralogy* (2–2) — Henderson
Material fee $2.50 a semester. Daily 7:40 A. M.

21–22. *Physical and Historical Geology* (3–3) — Bassler
Daily, 5:10 to 7:00 P. M.

GERMAN LANGUAGE AND LITERATURE

EDWARD HENRY SEHRT, Ph. D., *Professor of German, Executive Officer.*
ADOLPH EDWARD ZUCKER, Ph.D., *Visiting Professor of German.*

1–2. *Elementary German* (3–3) — Zucker
Daily 5:10 to 7:00 P. M.

5–6. *Second Year German* (3–3) — Sehrt
Daily 5:10 to 7:00 P. M.

9. *Scientific German* (3) — Sehrt
Daily 7:45 A. M.

HISTORY

GEORGE MORTON CHURCHILL, Ph.D., *Professor of History, Executive Officer.*
ELMER LOUIS KAYSER, A. M., *Associate Professor of History.*
LOWELL JOSEPH RAGATZ, Ph.D., *Assistant Professor of History.*
WILLIAM STULL HOLT, Ph. D., *Assistant Professor of History.*
JOHN RYDJORD, Ph.D., *Visiting Assistant Professor of History.*

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1. *American History* (3) — Holt
   Daily, 6:10 P. M.

35. *General European History* (3) — Ragatz
   Medieval History. Daily, 5:10 P. M.

104. *History of the West*, 1820–1890 (3) — Churchill
   Daily, 5:10 P. M.

*113. *The Monroe Doctrine* (2) — Holt
   Daily, 9:40 A. M.

143. *Modern Imperialism* (3) — Ragatz
   Daily, 7:40 A. M.

*146. *The Reformation* (2) — Kayser
   Daily, 11:40 A. M.

*149. *Europe Since* 1914 (2) — Ragatz
   Daily, 10:40 A. M.

151. *English History* (3) — Churchill
   Daily, 6:10 P. M.

175. *Latin-American History* (3) — Rydjord
   Daily, 7:00 P. M.

201. *Seminar* (3)

For graduates and properly prepared undergraduates. Hours to be arranged. Section A. England under the Stuarts, Churchill. Section B, Spanish-American War Period, Holt.

LAW

HECTOR GALLOWAY SPAULDING, A.B., LL.B., S.J.D., *Professor of Law, Executive Officer.*

EARL CASPAR ARNOLD, A.B., LL.B., *Professor of Law.*

WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law.*

THOMAS CLAFFEY LAVERY, A.B., LL.B., *Visiting Professor of Law.*

HORACE EUGENE WHITESIDE, A.B., LL.B., S.J.D., *Visiting Professor of Law.*

WILLIAM ARMSTRONG HUNTER, A.B., LL.M., *Associate Professor of Law.*

WILLIAM THOMAS FRYER, A.B., LL.B., J.D., *Assistant Professor of Law.*

SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., *Assistant Professor of Law.*

FIRST TERM

June 17–July 31st

(Last three days, July 29, 30, 31, used for examinations)

FIRST YEAR SUBJECTS

101–102. *Agency* (4) (See under Second and Third Year Subjects).

105–135. *Common Law Actions and Personal Property* (4) Spaulding and Fryer
Sunderland's Cases on Common Law Pleading and Warren's Cases on Property. Monday to Friday inclusive, 5:10 and 6:10 P. M. (Common Law Actions may be taken as a separate subject during the first three weeks of the session for one semester credit and Personal Property five hours a week the first three weeks and ten hours a week the last three weeks for three semester credits.)

SECOND AND THIRD YEAR SUBJECTS

101–102. *Agency* (4)
Whiteside
Case book to be announced. Monday to Friday inclusive, 5:10 and 6:10 P. M.

180. *Insurance* (2)
Lavery
Case book to be announced. Tuesday and Saturday inclusive, 7:45 to 8:35 A. M.

184. *Mortgages* (2)
Fryer
Campbell's Cases. Tuesday and Friday 5:10 and 6:10, Wednesday, 5:10 P. M.

187–188. *Real Property II* (4)
Oppenheim
Aigler's Cases on Titles. Monday to Friday inclusive, 5:10 and 6:10 P. M.

SECOND TERM

August 1 to September 14th
(September 12, 13, and 14 will be used for examinations)

FIRST YEAR SUBJECTS

170. *Domestic Relations.* (See under Second and Third Year Subjects.)

141–142. *Torts* (4) Hunter

Bohlen's Cases on Torts. Monday to Friday inclusive, 5:10 and 6:10 P. M.

(The completion of this subject will satisfy the requirement of Torts for the degree.)

SECOND AND THIRD YEAR SUBJECTS

170. *Domestic Relations* (2) Moll

Woodruff's Cases on Domestic Relations. Tuesday to Saturday inclusive, 7:45 to 8:35 A. M.

177–178. *Evidence* (4) Arnold

Hinton's Cases. Monday to Friday inclusive, 5:10 and 6:10 P. M.

285. *Municipal Corporations* (2) Lavery

Case book to be announced. Tuesday and Friday, 5:10 and 6:10, Wednesday, 6:10 P. M.

185. *Quasi-Contracts* (2) Moll

Thurston's Cases. Monday and Thursday, 5:10 and 6:10, Wednesday, 5:10 P. M.

LIBRARY SCIENCE

ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science, Executive Officer.*

_____, *Associate in Library Science.*

†1. *Cataloguing* (3)

The principles of library science. Daily, 5:10 P. M.

2. *Cataloguing* (3) Schmidt

Continuation of 1a; the equivalent of the work of the second semester of the regular school year. For students who have taken 1a in the previous Summer Session, or who have had practical experience in cataloguing. Daily, 7:50 P. M.

21. *Classification* (3) Schmidt

General principles and distinguishing characteristics of the Dewey and Cutter systems; classification of books according to each; practice in shelf-listing and book-notation. Prerequisite: Library Science 1 or practical library work. Daily, 6:10 P. M. Not given in 1929.

22. *Classification* (3) Schmidt

Library of Congress classification. Theory and practice, also shelf-listing and book-notation. Prerequisite: Library Science 1 and 21, or adequate library experience. Daily, 6:10 P. M.

131. *Library History, Organization and Administration* (3) Schmidt

Prerequisite: Library Science 1-2 and 21 or adequate library experience. Daily, 7:00 P. M. Not given in 1929.

132. *Reference, Bibliography, Book Evaluation and Selection* (3) Schmidt

Prerequisite: Library Science 21, or adequate library experience. Daily, 7:00 P. M.

† *Note:* Courses 1 and 21 may be continued in the second semester of the regular school year; Course 22 alternates with Course 21, the two constituting the full work in classification; Course 132 alternates with Course 131.

MATHEMATICS

FRANCIS EDGAR JOHNSON, Ph.D., *Assistant Professor of Mathematics, Executive Officer*

WILLIAM JAMES BERRY, M.S., *Instructor in Mathematics.*

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3. *College Algebra* (3) — Berry
Starting with a review of quadratics. Daily, 7:40 A. M.

11. *Plane and Spherical Trigonometry* (3) — Berry
Daily, 6:10 P. M.

12. *Analytic Geometry* (3) — Berry
Prerequisite: Plane and Spherical Trigonometry. Daily, 5:10 P. M.

19–20. *Differential and Integral Calculus; Elements of Differential Equations* (6) — Johnston
Daily, 5:10 to 7:00 P. M.

MUSIC

BERNICE RANDALL ANGELICO, A.B., *Instructor in Music.*

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*21. *Appreciation* (2) — Angelico
Studies of types of composition, folk music, tendencies in music to develop insight and taste. Selections used will be chosen in view of their adaption to public school needs. Daily, 9:40 A. M.

*25. *Public School Methods* (2) — Angelico
Materials, theory development, ear training, sight singing, group activity and appreciation. Daily, 10:40 A. M.

PHILOSOPHY

JESSE VIRGIL MAUZEY, A. M., *Visiting Instructor in Philosophy.*

*101. *Instruction to Philosophy* (2) Mauzey
Daily, 8:40 A. M.

121. *Logic* (3) Mauzey
Daily, 6:10 P. M.

131. *Ethics* (3) Mauzey
Daily, 7:00 P. M.

PHYSICS

WALTER LYNN CHENEY, Ph.D., *Associate Professor of Physics.*
ARTHUR J. M. JOHNSON, Ph.D., *Instructor in Physics.*

7. *General Physics* (4) Cheney and Johnson
Mechanics, Heat and Electrostatics. For students making science their major study. Prerequisite: High School Physics. Course 9 should otherwise be taken. Material fee $5.00. Daily 5:10 P. M.; laboratory, Tuesday 7:30 to 10:30 P. M.

8. *General Physics* (4) Cheney and Johnson
Magnetism, Electricity, Sound, and Light. A continuation of Course 7, which is prerequisite, but which *may be taken concurrently*. Material fee $5.00. Daily, 6:10 P. M.; laboratory, Thursday, 7:30 to 10:30 P. M.

9. *Beginners General Physics* (5) Cheney and Johnson
Mechanics, Heat, and Electrostatics. For students who are making science their major study, but who do not have credit for High School Physics. Material fee $8.00. Daily, 5:10 P. M.; laboratory Tuesday and Thursday, 7:30 to 10:30 P. M.

10. *Beginners General Physics* (5) Cheney and Johnson
Magnetism, Electricity, Sound and Light. A continuation of course 9, which is prerequisite. Material fee $8.00. Daily, 6:10 P. M.; laboratory, Tuesday and Thursday, 7:30 to 10:30 P. M.

SOCIOLOGY

ROLVIX HARLAN, Ph.D., *Visiting Professor of Sociology.*

22. *Principles of Sociology* (3) — Harlan
Daily, 5:10 P. M.

*150. *Culture and Social Progress* (2) — Harlan
Daily, 8:40 A. M.

164. *Social Adjustment* (3) — Harlan
Daily, 7:40 A. M.

ZOOLOGY

WILLIAM THOMAS MCCLOSKY, A.B., *Associate in Zoology, Executive Officer*
ELIZABETH PARKER, A.B., *Associate in Zoology.*

131–132. *Comparative Vertebrates* (4–4) — McClosky, Parker
A comparative study of vertebrate anatomy, development and physiology, beginning with the lower Chordates and concluding with a dissection of some mammal. Prerequisite: Zoology 121–122. Material fee $5.00 a semester; microscope rental $5.00. Lecture daily, 5:10. Laboratory hours to be arranged.

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CATALOGUE

1929-1930

VOL. XXVIII No. 2

WASHINGTON, D. C.

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MCMXXIX

BY THE UNIVERSITY

THE

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BY THE UNIVERSITY

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1929

JULY

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DECEMBER

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THE UNIVERSITY CALENDAR
1929-1930

1929

September 21–24	*Saturday to Tuesday, both dates inclusive*	Registration period for the first semester in Columbian College, The Graduate School of Letters and Sciences, The Law School, The School of Engineering, The School of Pharmacy, The School of Education, The School of Government, The Division of Library Science and The Division of Fine Arts. September 16-21, the pre-session examinations in The School of Medicine will be held. September 21, last day for receiving applications for the first assignment of aid from the Loan Funds.
September 25	*Wednesday*	Academic year begins in all departments.
September 25 and 26	*Wednesday and Thursday*	Examinations will be held in Columbian College for students who wish to be relieved of curriculum requirements and qualify for advanced courses in certain subjects.
September 28	*Saturday*	Last day for late registration in The School of Medicine.
		Last day for receiving theses of candidates for the A.M. degree in October.
October 1	*Tuesday*	Last day candidates may file theses subjects for A.M. degree to be received in February.
October 8	*Tuesday*	Last day for late registration for first semester enrollment in The Law School.
October 9	*Wednesday*	Last day for late registration for the first semester in all departments of the University except The School of Medicine and The Law School.
October 23	*Wednesday*	Stated meeting of the Board of Trustees.

		Last day for late registration for year enrollment in The Law School.
November 1	*Friday*	Second installment of first semester tuition due.
November 28–30	*Thursday to Saturday, both dates inclusive*	Thanksgiving recess.
December 2	*Monday*	Third installment of first semester tuition due.
December 21	*Saturday*	End of first term in The School of Medicine.
December 23–January 1	*Monday to Wednesday, both dates inclusive*	Christmas recess.
December 26	*Thursday*	Stated meeting of the Board of Trustees.
1930		
January 2	*Thursday*	Classes resumed in all departments of the University. Second term of Medical School begins.
		Last day on which candidates who expect to complete the requirements for the bachelor's degree for graduation in February may file notice of their intention.
January 7	*Tuesday*	Last day for receiving theses of candidates for the Ph.D. degree in February.
January 23–29	*Thursday to Wednesday*	Mid-year examination period in all departments of the University, except in The School of Law and The School of Medicine.
January 27–February 1	*Monday to Saturday*	Mid-year examination period in Law.
January 30–February 1	*Thursday to Saturday, both dates inclusive*	Mid-year recess.
January 31–February 1	*Friday and Saturday*	Registration period in The Law School. First installment of second semester tuition due in all departments.
February 3	*Monday*	Classes resumed for second semester in The Law School.

February 3–4	*Monday and Tuesday*	Registration period for second semester in all departments of the University, except in The School of Medicine, and The Law School.
February 5	*Wednesday*	Classes resumed for second semester in all departments of the University, except in The School of Medicine and The Law School.
February 5 and 6	*Wednesday and Thursday*	Examinations will be held in Columbian College for students who wish to be relieved of curriculum requirements and qualify for advanced courses in certain subjects.
February 8	*Saturday*	Last day for receiving theses of candidates for the A.M. degree in February.
February 12	*Wednesday*	Last day on which candidates may file theses subjects for the A.M. degree to be received in June.
February 15	*Saturday*	Last day for late registration for second semester enrollment in The Law School.
February 19	*Wednesday*	Last day for late registration for the second semester in all departments of the University, except The School of Medicine and The Law School.
February 22	*Saturday*	Mid-Winter Convocation. Holiday in all departments of the University.
February 26	*Wednesday*	Stated meeting of the Board of Trustees.
March 1	*Saturday*	Second installment of second semester tuition due.
March 13	*Thursday*	End of second term in The School of Medicine.
March 14	*Friday*	Classes resumed for third term in The School of Medicine.
March 26	*Wednesday*	Stated meeting of the Board of Trustees.

April 1	*Tuesday*	Third installment of second semester tuition due.
April 2	*Wednesday*	Last day for receiving theses of candidates for professional degrees in Engineering to be received in June.
April 14–19	*Monday to Saturday, both dates inclusive*	Easter recess.
April 15	*Tuesday*	Last day for receiving theses of candidates for the degree of Ph.D. in June.
May 1	*Thursday*	Last day on which candidates for graduation in June may file intent to graduate.
May 13	*Tuesday*	Last day for receiving theses of candidates for the degree of A.M. in June.
May 14	*Wednesday*	Applications for student loans and scholarships for 1930-1931 should be filed.
May 20–22	*Tuesday to Thursday, both dates inclusive*	Final examination period in The School of Medicine.
May 30	*Friday*	Decoration Day. Holiday in all departments of the University.
May 29–June 4	*Thursday to Wednesday*	Final examination period in Columbian College, The Graduate School of Letters and Sciences, The Law School, The School of Engineering, The School of Pharmacy, The School of Education, The School of Government, The Division of Library Science and The Division of Fine Arts.
June 4	*Wednesday*	Annual meeting of the Board of Trustees.
June 8	*Sunday*	Baccalaureate Sermon.
June 11	*Wednesday*	Commencement.

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1930

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1931

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1932

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1929–1930

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JOHN RYDJORD, PH.D., *Visiting Assistant Professor of History.*	University of Wichita, Wichita, Kansas.
WILLIAM WARREN SAGER, A.B., M.D., *Clinical Instructor in Surgery.*	1349 Columbia Road.
JAMES AUGUSTIN ST. OMER ROY, B.S. IN E.E., *Associate in Mechanical Drawing.*	3304 18th Street N.E.
LEROY LEE SAWYER, JR., A.B., M.D., *Clinical Instructor in Oto-Laryngology.*	1616 16th Street.
ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science; Director of The Division of Library Science; Librarian.*	35 Bryant Street.
HERBERT HERMANN SCHOENFELD, M.D., *Clinical Associate in Surgery.*	Wardman Park Hotel.
ETHEL RUTH SCHOFF, *Professor of Nursing Education; Principal of the School of Nursing.*	1339 H Street.
HENRY RICHARD SCHREIBER, M.D., *Clinical Professor of Medicine.*	1716 Rhode Island Avenue.
TENJES HENRY SCHUTTE, PH.D., *Visiting Professor of Education.*	Woman's College of Alabama, Montgomery, Alabama.
CHARLES AURELIUS SCHUTZ, M.D., *Clinical Instructor in Pediatrics.*	2809 Connecticut Avenue.

EDWARD HENRY SEHRT, PH.D., *Professor of German.*	1844 Columbia Road.
BELKNAP SEVERANCE, A.B., *Associate in Library Science.*	3729 34th Street, Mount Rainier, Maryland.
ALFRED RIVES SHANDS, JR., A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*	903 16th Street.
AURELIUS RIVES SHANDS, M.D., *Clinical Professor of Orthopedic Surgery.*	901 16th Street.
HYMAN DAVID SHAPIRO, M.D., *Clinical Instructor in Medicine.*	4218 16th Street.
ERNEST SEWALL SHEPARD, A.M., *Instructor in English.*	3267 N Street.
MANDEL SHERMAN, M.D., PH.D., *Professorial Lecturer on Child Development.*	1860 Columbia Road.
LOUIS LATHROP SHOOK, D.V.M., Captain, Veterinary Corps, United States Army. *Assistant Professor of Military Science and Tactics.*	512 Park Lane, Bethesda, Maryland.
DANIEL KERFOOT SHUTE, A.M., M.D., *Clinical Professor Emeritus of Ophthalmology.*	1727 De Sales Street.
RICHARD LEE SILVESTER, M.S., M.D., *Clinical Professor of Obstetrics.*	3501 Lowell Street.
CHARLES AUGUSTUS SIMPSON, M.D., *Professor of Dermatology.*	2230 Massachusetts Avenue.
GEORGE VICTOR SIMPSON, M.D., *Clinical Instructor in Ophthalmology.*	1735 DeSales Street.
WILLIAM BAILEY SIMS, M.D., *Clinical Instructor in Medicine.*	1757 K Street.
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FINNEY BASCOM SMITH, LL.B., Graduate U. S. Naval Academy, *Lecturer in Law.*	1701 Upshur Street.
HOWARD LEE SMITH, M.D., *Clinical Instructor in Surgery.*	2222 Q Street.
EDGAR SNOWDEN, M.D., *Clinical Associate in Obstetrics.*	1712 21st Street.

OTHMAR CHARLES SOLNITZKY, PH.D., M.D., *Associate Professor of Anatomy.*	109 East Thornapple Street, Chevy Chase, Maryland.
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LOUISE STANLEY, PH.D., *Professorial Lecturer in Home Economics.*	3303 18th Street.
WENDELL PHILLIPS STAFFORD, A.M., LL.B., LL.D., LITT.D., *Professor Emeritus of Law.*	1661 Crescent Place.
JOSEPH DUERSON STOUT, M.D., PH.D., *Clinical Professor of Neurology.*	3000 Porter Street.
ELWOOD STREET, A.M., *Lecturer in Sociology.*	1418 I Street.
MICHAEL XAVIER SULLIVAN, PH.D., *Lecturer in Chemistry.*	Hygienic Laboratory.
XAVIOR CHARLES SURACI, M.D., *Clinical Instructor in Anaesthesia.*	4127 7th Street.
HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance; Registrar of the University.*	105 West Underwood Street, Chevy Chase, Maryland.
LOYD HALL SUTTON, S.B., LL.B., *Associate Professor of Law.*	5601 Western Avenue, Chevy Chase, Maryland.
CHARLES CLINTON SWISHER, LL.B., PH.D., LL.D., *Professor Emeritus of History.*	1810 Kalorama Road.
KATHARINE GODFREY SYMMONDS, A.B., M.D., *Clinical Instructor in Pediatrics.*	113 Webster Street.
AUGUSTUS CARRIER TAYLOR, *Lecturer on Pharmaceutical Ethics.*	150 C Street N.E.
JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics.*	2033 G Street.
WILLIAM DAVIS TEWKSBURY, M.D., *Clinical Professor of Medicine.*	101 East Lenox Street, Chevy Chase, Maryland.
WILLIAM RAYMOND THOMAS, M.D., *Clinical Instructor in Obstetrics.*	3500 13th Street.
JOSEPH LAWN THOMPSON, A.M., M.D., *Clinical Professor of Medicine.*	1735 20th Street.
MARVIN RUSSELL THOMPSON, PH.G., *Lecturer on Pharmacology.*	2107 I Street.
RICHARD KNIGHT THOMPSON, D.D.S., *Clinical Instructor in Dentistry.*	1332 Jefferson Street.
THOMAS CARLTON THOMPSON, B.S., M.D., *Clinical Instructor in Urology.*	2032 16th Street.
ALBERT PERKINS TIBBETS, A.B., M.D., *Clinical Associate in Oto-Laryngology.*	1619 R Street.

JOHN ALBERT TILLEMA, PH.D., LL.B., 1923 N Street.
Assistant Professor of Political Science.

JOEL ADAMS TILTON, M.D., 1520 29th Street.
Clinical Instructor in Orthopedics.

ELIJAH WHITE TITUS, PHAR.D., M.D., 3459 Macomb Street.
Associate Professor of Gynecology.

HARRIET ELIZABETH TWOMBLEY, A.B., M.D., St. Elizabeth's Hospital.
Clinical Associate in Psychiatry.

CYRIL BRYCE UPHAM, PH.D., LL.B., U. S. Chamber of Commerce.
Lecturer on Commercial and Maritime Law.

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Instructor in Chemistry.

BLAKE R. VAN LEER, M.S., 2033 G Street.
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OTTO NELLIS WARNER, M.D., 2226 Connecticut Avenue.
Associate in Anaesthesia.

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Lecturer on Parental Education.

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Jason David Byers, *Superintendent of The University Hospital.*
Francis Edward Thuney, *Assistant Superintendent of The Hospital.*
William Franklin Sheridan, *Assistant Curator in the Pathological Museum.*
Margaret Scruggs French, *Record Clerk, Hospital.*
Gertrude L. Hanke, *Clerk in the Department of Bacteriology and Pathology.*
Mary Elizabeth Lewallen, *Clerk in the Clinical Department.*
Ethel Martley, *Clerk, Hospital.*
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Elizabeth Lindsay Smith, *Clerk, Hospital.*
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TECHNICAL ASSISTANTS

Mary Philbrick, *Hospital Dietitian.*
Mattie Pinney, *Hospital Technician.*
Henry Parker Hill, *Hospital Pharmacist.*
John Stout Lide, *Technician, Department of Bacteriology and Pathology.*
Helen Parker, *Assistant Hospital Dietitian.*
Laura Sophia Chaddock, R.N., *Laboratory Assistant, Hospital.*
William Franklin Sheridan, *Laboratory Assistant, Hospital.*
Thomas Jackson Shivers, *Laboratory Assistant, Hospital.*
Mary George Wolford, R.N., *Laboratory Assistant, Hospital.*

THE UNIVERSITY

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HISTORY

In the year 1817 the Reverend Luther Rice, a graduate of Williams College, conceived the idea of founding in the City of Washington a college for the education of ministers of the Baptist denomination and for the teaching of the classics, science and philosophy.

In 1819, in company with a number of other ministers and lay citizens of Washington, he formed an association for the purpose of buying land adjoining the city, with the understanding that it should be held for the use of an institution of higher learning.

Among the contributors to the seven thousand dollar fund which was raised for the purchase of the land upon which to place the college, are found the names of John Quincy Adams, William H. Crawford and John C. Calhoun (members at that time of President Monroe's Cabinet), together with thirty-two members of Congress and many of the leading citizens of Washington.

A tract embracing nearly forty-seven acres, extending about one-half mile northwest from Boundary Street, between Fourteenth and Fifteenth Streets, was purchased, and in February, 1821, a charter of "The Columbian College in the District of Columbia" was granted by Congress.

The first bulletin of the college, issued January 27, 1821, stated that "This institution, originated by the Baptist General Convention, but of National locality, consideration, and benefit, is founded on the most liberal principles," and quoted the provision of the charter that "persons of every religious denomination shall be capable of being elected Trustees, nor shall any person either as President, Professor, Tutor or pupil, be refused admittance into said College or denied any of the privileges, immunities or advantages thereof for or on account of his sentiments in matters of religion."

By 1822 the main building, begun early in 1820, was completed sufficiently to be used for purposes of instruction. Dr. William Staughton, a native of England and an eminent pulpit orator, was elected first President of the institution.

The first commencement of the college was held December 15, 1824, the President of the United States, members of the Cabinet, and the Marquis de la Fayette, then on his farewell visit to the United States, being among the distinguished guests in attendance.

The Medical School, established in 1821, was formally opened in 1825. It has been in continuous operation since that time.

The Law School, organized in 1826, was discontinued a year later, to be

re-established in 1865. It is the oldest law school in Washington and was the first in the country to establish a graduate course in law.

The name of the institution was changed to The Columbian University in 1873.

In 1884 the University was removed from its first location on the outskirts of the city to the heart of Washington, a new University hall being built at Fifteenth and H Streets, and near it buildings for the Medical and Preparatory Schools. Subsequently the University sold this property and removed to its present location.

By act of the Congress of the United States in 1904, the University was removed from denominational control, placed under a self-perpetuating Board of Trustees, and the name changed to The George Washington University.

General George Washington during his public life had urged the establishment of an institution of higher learning in the national capital, and in his last will and testament bequeathed fifty shares of stock in the Potomac Company for the endowment of a university to be established within the limits of the District of Columbia, "to which the youths of fortunes and talents from all parts might be sent for the completion of their education in all the branches of polite literature in arts and sciences—in acquiring knowledge in the principles of Politics and good Government—and (as a matter of infinite importance in my judgment) by associating with each other and forming friendships in Juvenile years, be enabled to free themselves in a proper degree from those Local prejudices and habitual jealousies which have just been mentioned and which when carried to excess are never failing sources of disquietude to the Public mind and pregnant of mischievous consequences to this Country."

It was in recognition of this idea that the name of the Columbian University was changed to The George Washington University.

ENDOWMENT AND SUPPORT

The endowment of The George Washington University, not including the value of buildings, grounds, and equipment is $1,205,173.33 (1929).

THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University offers courses in ten colleges, schools and divisions, including: Columbian College, the undergraduate college of letters and sciences; The Graduate School of Letters and Sciences; The School of Medicine, including The School of Nursing; The Law School; The School of Engineering; The School of Pharmacy; The School of Education; The School of Government; The Division of Library Science; The Division of Fine Arts, and The Summer Sessions.

GOVERNMENT

The government and general educational management of The George Washington University is vested in a Board of Trustees consisting of twenty-seven Trustees elected by the Board with the President of the University an ex-officio member. The twenty-seven elected members of the Board are named for a period of three years and are divided into three classes of nine members each. The members of one class shall be elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each of the above classes are nominated by the Alumni Association. "Persons of every religious denomination shall be capable of being elected Trustees."

EDUCATIONAL FACILITIES

LOCATION

The City of Washington offers to students exceptional educational and cultural advantages. Residence in the National Capital provides a background for both intelligent and appreciative citizenship. History, geography, literature, civics and current events are all vivified by a first-hand knowledge of Washington and its environment.

The George Washington University is located in the heart of the city, a short distance from the Potomac River and the Mall. Within a few blocks are the White House, many of the departments of government, including the State, War, and Navy Departments, the Treasury Department, the Department of Commerce, the Department of the Interior, the Department of Labor and the United States Civil Service Commission. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are nearby. The United States Capitol and the Library of Congress can be reached by car in a few minutes from any of the University buildings.

BUILDINGS

Buildings, grounds, and equipment are valued at $2,750,000.00.

The buildings of Columbian College, The Graduate School of Letters and Sciences, The Law School, The School of Engineering, The School of Pharmacy, The School of Education, The School of Government, The Division of Library Science and The Division of Fine Arts are grouped in the vicinity of 21st and G Streets, Northwest. The School of Medicine, The University Hospital and The Dispensary are situated at 14th and H Streets, Northwest.

The Administration Building, Building A, 2100 G Street. The offices of the President, Dean, Provost, and the Alumni Secretary.

The Woodhull Administration Building, Building 1, 2033 G Street. The offices of the Comptroller and the Registrar of the University.

Architecture Building, Building 11, 2101 G Street. The Division of Fine Arts, including the Architecture Library, and drawing and lecture rooms.

Biology Building., Buildings 2 and 3, 2025-2027 G Street. The offices, laboratories and libraries of the Departments of Botany and Zoology.

Corcoran Hall, 725 21st Street, named in honor of the late William W. Corcoran, benefactor of the University, President of the Corporation, and a member of the Board of Trustees from 1869 to 1888. This building contains the Council Room of the Board of Trustees, assembly hall, classrooms, and chemical laboratories.

The School of Engineering, Building 16, 714 20th Street. The offices of the Dean and Faculty of The School of Engineering and the Engineering Library.

Gymnasium, 2014-2016 H Street. The offices of the Departments of Physical Education for Men and Women.

Home Economics Building, Building 10, 2024 G Street. The offices, class rooms and laboratories of the Department of Home Economics; the offices of the Department of Psychology and student club rooms.

The University Hospital and Dispensary, 1339 H Street.

Lisner Hall, Building 4, 2023 G Street, named in honor of Abram Lisner, benefactor of the University and member of the Board of Trustees. In this building are located the General Library; the offices of the Dean of Columbian College, and the Director of The Division of Library Science; faculty offices; class rooms; the Electrical Engineering, Geology and Physics laboratories and the Mechanical Engineering drafting rooms.

Mechanical Engineering Laboratory, 2033 G Street, in the rear of Lisner Hall.

The School of Medicine, 1335 H Street. The offices of The School of Medicine; lecture and class rooms; anatomy, biochemistry, clinical chemistry, biology and embryology, physiology, pharmacology and bacteriology and pathology laboratories; students' rooms; the Medical Library and the Pathological Museum.

The Nurses Home, The Parkside, 1336 I Street. The residence of students in The School of Nursing.

Stockton Hall, 720 20th Street, named in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918. The offices, lecture halls and library of The Law School are located in this building.

The Women's Building, Building 8, 2009 G Street. The office of the Secretary for Women's Activities and club rooms for women students.

Building 5, 2017 G Street. The offices of the Dean of The Graduate School of Letters and Sciences, faculty offices and class rooms.

Building 6, 2015 G Street. Class rooms, faculty offices, the Library of the Department of English and the Faculty Club Rooms.

Building 7, 2011 G Street. Offices.

Building 9, 2022 G Street. Office of the Dean of The School of Education, class rooms, faculty offices and student club rooms.

Buildings 13 *and* 14, 2024 and 2026 H Street. Faculty offices, and class rooms.

Building 15, 2020 H Street. Office of the Dean, lecture rooms, laboratories, and library of The School of Pharmacy.

Building 17, 2026 G Street. Class rooms and offices.

THE UNIVERSITY LIBRARY

The University Library comprises the General Library, consisting of the libraries of Columbian College, The Graduate School of Letters and Sci-

ences, The School of Education, The School of Pharmacy, The School of Engineering, The School of Government, The Division of Library Science and The Division of Fine Arts; the Medical Library and the Law Library and Departmental Libraries. It contains more than 80,000 volumes.

The General Library is open from 8:45 A. M. to 10:30 P. M., each school day, and from 3:00 to 9:00 P. M. on Sundays.

Columbian College. In addition to its general collection the Library of Columbian College contains the *Library of the late Professor Richard Heinzel*, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the *Library of the late Professor Curt Wachsmuth*, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archaeology and history; the *Mount Vernon Alcove*, containing 4,000 volumes in political history, international law, and the social sciences; and a representative collection of Spanish-American books, the gift of the Government of the Argentine Republic.

Medical Library. Open for study and reading from 9:00 A. M. to 4:00 P. M., with a librarian in charge. It contains more than 2,500 volumes, and provision is made to add to it as published the important new works on medicine. The standard medical periodicals are regularly received.

The Law Library, containing more than 13,000 volumes, is open from 9:00 A. M. to 11:00 P M. each school day, and from 2:00 to 6:00 P. M. on Sundays.

The Engineering Library on the first floor of Building 16 is open from 9:00 A. M. to 12:00 o'clock and from 1:00 to 6:00 P. M.

The Library of The Division of Fine Arts contains over 2,000 volumes and the Russell Sturgis collection of 7,500 mounted photographs. About 1,000 of these volumes constitute a collection deposited by the American Institute of Architects. This Library is accessible to architects in the District of Columbia.

Departmental and Seminar Libraries:

Architecture—Building 11, 2101 G Street, second floor.
Botany—Building 3, 2025 G Street.
Chemistry—Corcoran Hall, fourth floor.
Engineering—Building 16, first floor.
Geology—Lisner Hall,, Building 4, Room 34.
Zoology—Building 3, 2025 G Street.

Other Library Facilities. University students have access also to the Library of Congress, the Public Library of the District of Columbia and its branches, the Library of the Carnegie Endowment for International Peace, the Library of the Pan American Union, and the Library of the Bureau of Railway Economics, as well as the Library of the United States Bureau of Education, the Army Medical Library, and the other great special collections of the government departments.

PRIVILEGES IN GOVERNMENTAL INSTITUTIONS OPEN TO UNIVERSITY STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory.

INFORMATION

INFORMATION

RESERVATION OF RIGHT TO CHANGE RULES

The University and its various colleges and schools reserve the right to modify or change the requirements, rules and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to all students in the University.

Registration in the University is for one semester at a time. Acceptance of a student does not in any way obligate the University to accept the student for any subsequent enrollment. The right is reserved to drop any student whenever, in the interest of the student or the University, the Faculty deems it advisable to do so.

ADMISSION TO THE UNIVERSITY

All departments of the University are open to men and women.

Registration Period. Students may enter Columbian College, The Graduate School of Letters and Sciences, The School of Engineering, The School of Education, The School of Government, and The Division of Library Science at the beginning of either semester or of the summer terms. For the time of admission to The School of Medicine, The Law School, The School of Pharmacy and The Division of Fine Arts see the announcement of the schools.

Requirements. The requirement for admission to Columbian College, The School of Engineering, The School of Education, The School of Pharmacy, The School of Government, and the Divisions of Library Science and Fine Arts, is a certificate of graduation from a four-year high school course, or its equivalent, amounting to at least 15 "units." A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. It includes in the aggregate not less than 120 sixty-minute hours of prepared class room work. The studies prescribed for entrance to the several schools and divisions are listed under the admission requirements for each school.

Candidates for admission may present certificates of admission or take entrance examinations.

Certificates. Certificates will be accepted only from accredited schools and must give in detail the grades obtained by the student, must specify the passing grade, the certifying grade, the rank of the applicant in his graduating class, with the number in the class, and must contain definite recommendations from the principal in regard to admission to college. The University Examiner will, on application, furnish certificate blanks to the principals of such schools. Applicants presenting certificates from unaccredited schools will be admitted only on passing entrance examinations. All records shall be certified on the blank provided by the Univer-

sity and must come directly to the University Examiner from the school concerned.

Examinations. Candidates for admission who do not furnish certificates of graduation from accredited high schools will take the examinations in the entrance subjects offered by the College Entrance Examination Board. An applicant who fails to pass in at least 15 units in the entrance examination may not be admitted.

The examinations of the College Entrance Examination Board are held each spring in Washington and other centers. These examinations will be given in Washington at The George Washington University June 17 to 22, inclusive, 1929. Applications for examinations should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York City.

Conditions. A graduate from an approved high school who does not have the proper distribution of subjects to meet the prescribed units may be admitted, on condition, to courses other than the pre-medical courses, if such irregularity is in not more than two units.

All conditions must be removed by the end of the freshman year (completion of 30 semester hours).

DEFINITION OF REQUIREMENTS

Below is the description of courses of study which may be presented for entrance. (Students taking the spring examinations given by the College Entrance Examination Board should consult the statement of required subject matter issued by the Board.) Credit by certificate or examination to the extent indicated will be allowed in the following subjects:

ENGLISH

(Three Units)

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English. This prescribes habits of correct, clear and truthful expression calling for a carefully graded course in oral and written composition, and for instruction in practical essentials of grammar. It requires also ability to read with intelligence and appreciation works of moderate difficulty, and familiarity with a few masterpieces, calling for a carefully graded course in literature.

The examination will include the writing of short compositions on topics selected by the student from a list based on his reading and personal observation, together with more detailed questions on books selected from those recommended by the National Conference on Uniform Requirements in English. With his application the student will be required to submit a list of books which he offers as a basis for his examination.

HISTORY

Ancient (one unit) { a. Greek / b. Roman
Medieval European History (one unit)
Modern European History (one unit)
English History (one unit)
American History (one-half to one unit)
American History and Civics (one unit)

Special importance is attached to preparation in geography.

LANGUAGE

French

Elementary (two units). Candidates in Elementary French must have a good knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the common irregular verbs. They must know the principles of pronunciation; must be able to translate simple English sentences or easy connected prose into French, and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duo-decimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two-years' course of five periods per week.

Advanced (two units). Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French at least 1,000 pages of difficult French of several different authors, including history, fiction and drama. Candidates must have had a four-years' course of five periods per week.

Fraser and Squair's French Grammar is recommended.

GERMAN

Elementary (two units). Candidates in Elementary German must have had a two-years' course of five periods a week. An accurate knowledge of the elements of German grammar and the ability to translate simple prose into German are requisite. About 300 pages of graduated narrative prose, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

Advanced (two units). Candidates in Advanced German must have had a four-years' course of five periods a week. They should be well trained in the grammar of the language, have read about 800 pages of good literature, including at least one drama by Lessing, Schiller and Goethe, and a good anthology of German poetry.

GREEK

Elementary (two units). Grammar: The topics of the examination in Greek grammar are similar to those detailed under Latin grammar. Greek Prose Composition: Consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's Anabasis. Xenophon: The first four books of the Anabasis.

Advanced (one unit). Homer: The first three books of the Iliad (omitting II, 494 to end). Sight Translation, based on prose of no greater difficulty than Xenophon's Anabasis.

LATIN

Elementary (two units). Grammar: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive. Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Caesar. Caesar: Any four books of the Gallic War, preferably the first four.

Advanced (two units). *Cicero:* Any six orations from the following list, but preferably the first six mentioned—the four orations against Catiline, Archias, the Manilian Law, Marcellus, Rosius, Milo, Sestius, Ligarius, the Fourteenth Philippic. *Virgil:* The first six books of the Æneid. *Advanced Prose Composition*, consisting of continuous prose of moderate difficulty based on Cicero. *Sight Translation*, based on prose of no greater difficulty than the easier portions of Cicero's orations.

SPANISH

Elementary (two units). Candidates in Spanish must have a good knowledge of grammar, including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish. Candidates must have translated not less than 500 pages by at least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two-years' course of five periods per week.

Advanced (two units). Candidates in Advanced Spanish must have partly translated, partly read, at least 1,000 pages in addition to the requirements for Elementary Spanish. This material should be moderately difficult fiction, drama and poetry selected from several different authors. Candidates must have had a four-years' course of five periods per week.

MATHEMATICS

Elementary Algebra (one unit). Algebra to Quadratics.

Intermediate Algebra (one-half unit). Quadratic equations and equa-

tions containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive integral exponents.

Advanced Algebra (one-half unit). The progressions; the elementary treatment of permutations and combinations; the use of four and five-place tables of logarithms; undetermined coefficients; the elementary treatment of infinite series, the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

Plane Geometry (one unit). General text propositions, including the solution of simple original exercises and numerical problems.

Solid Geometry (one-half unit). General text propositions, including the solution of simple original exercises and numerical problems.

Plane Trigonometry (one-half unit). The six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

SCIENCE

Chemistry (one unit). The requirement is substantially that of the College Entrance Examination Board both in extent and character of the work.

It consists of: The study of at least one standard textbook, supplemented by demonstrations and recitations; individual laboratory work comprising at least thirty experiments. Applicants for admission by examination must present their laboratory note book properly certified by the teacher. One-half the number of laboratory hours plus the number of hours devoted to demonstrations and recitations should equal 120 hours.

Physics (one unit). Preparation should include: Individual laboratory work, comprising at least 35 exercises well distributed over the topics of physics; instruction by lecture-table demonstrations; study of at least one standard textbook, including the solution of many numerical problems; use of the metric system.

ELECTIVES

Credit may be allowed to the maximum extent indicated in additional subjects, as follows:

Botany, one unit; *Civics*, one-half unit;
Commercial subjects, four units;
Domestic Science, two units; *Drawing*, two units;
Economics, one-half unit; *Geography*, one unit;
Music, two units; *Physiology*, one unit;
Shop Work, two units; *Zoology*, one unit.

Credit may be allowed also in other accredited secondary school subjects.

GRADUATE AND PROFESSIONAL SCHOOLS

For requirements for admission to The Graduate School of Letters and Sciences, The School of Medicine, The Law School, the graduate division of The School of Education, and The School of Nursing see the announcements of the schools.

ADVANCED STANDING

Applicants for admission with advanced standing are required to present certificates of standing and honorable dismissal from the school or college last attended. Credit in accordance with the rules of the various schools and divisions may be given for properly certified courses of study in accredited colleges and universities.

SPECIAL STUDENTS

Persons at least 21 years of age may apply for admission as special students in accordance with the regulations of the school which they wish to enter. They should limit their choice of courses to the field in which they have particular training and experience.

AUDITORS

In special instances, with the permission of the instructor a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

UNCLASSIFIED STUDENTS

Students who have met the entrance requirements for candidates for degrees, but who have not been assigned class standing, as freshmen, sophomores, juniors or seniors, are designated as unclassified students.

STUDENTS WITH LIMITED PROGRAMS

In all divisions of the University, except The School of Medicine, The School of Nursing and The School of Pharmacy, the class hours are so arranged that students who can give only part of their time to college work may, by extending the period of their college work beyond the customary four years, complete full courses for degrees.

RIGHT TO REFUSE ADMISSION

The University reserves the right to refuse admission to any student whose preparatory work has been of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

REGISTRATION

Before attending any university class each student must present himself in person for registration. Students who have not previously filed satisfactory credentials (See Admission) are not eligible to register as candidates for degrees.

Registration is for the semester unless otherwise indicated on the registration paper; no registration is accepted for less than a semester or one summer term.

Time and Place. Registration for the year in Columbian College, The Graduate School of Letters and Sciences, The School of Engineering, The School of Education, The School of Pharmacy, The School of Government, The Division of Library Science and The Division of Fine Arts, will be conducted from September 21 to 24, inclusive. Students entering in the second semester will register on February 3 and 4. Registration will be conducted in Corcoran Hall between the hours of 9 A. M. and 12 and 2 P. M. and 6 P. M.

Students in The School of Medicine and The Law School will register in the Medical School Building and Stockton Hall, respectively. For dates of registration and method of procedure in these schools and The Summer Sessions consult the announcements of the departments.

Registration Procedure. Instructions for Registration will be issued to each registrant at the time of registration. These instructions should be read carefully before the registration is begun. A student who has previously entered the University but who has not been in attendance during the semester prior to registration should make a written request for an evaluation of his record. This should be filed with the Registrar one month before the date of registration.

Steps in Registering:

1. Obtain registration permit.
2. Consult Dean of College or School.
3. Consult adviser.
4. (Entering Students) Make appointment for physical examination.
5. Fill out registration forms.
6. Pay fees.
7. Obtain certificate for admission to classes.

Late Registration. For registration after September 24 in the first semester and February 4 in the second semester a fee of $5.00 will be charged. Registration will not be permitted later than two weeks after the beginning of instruction. Registration in all courses for credit closes on October 9 for the first semester, February 19 for the second semester.

Change of Registration. No change in program may be made after the last day on which registration is permitted and registration may be

changed only with the permission of the adviser or major professor and the Dean of the college concerned. A fee of $2.00 is charged for each change. Application for making a change in registration should be filed in the office of the Registrar.

Change of College. Students desiring to transfer from one college to another should make formal application to the college to which transfer is desired. This change may be made only at the beginning of a semester and upon approval of the Deans of the colleges concerned.

Change of Major. In changing from one curriculum group to another or in changing the major subject, all requirements specified in the new course of study must be satisfied before graduation.

SUMMARY OF FEES

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the academic year 1929-30.

1. UNIVERSITY FEE.

For all students for each semester or for any part thereof	$6.00
For the Summer Sessions	3.00

2. TUITION FEES.

In *Columbian College; The Graduate School of Letters and Sciences* (for students in attendance and candidates for the Master's degree); *The School of Engineering; The School of Education* (for undergraduate students and candidates for the A.M. degree); *The School of Pharmacy; The School of Government; The Division of Library Science; The Division of Fine Arts* and *The Summer Sessions* in these departments:

For each semester hour credit of courses taken	7.00

The School of Medicine:

For students entering in September, 1928 and 1929, per annum	400.00
For students entering prior to September, 1928, per annum	366.00

The Law School:

For each semester hour credit of courses taken	8.00
Minimum charge for one semester	24.00

The Graduate School of Letters and Sciences and *The School of Education:*

For regular candidates for the Ph.D. degree, per annum	210.00

(When a student carries a limited schedule the Dean will fix the proportionate fee for the year.)

Special Course Tuition Fees:

Zoology 145–146, Bacteriology	$60.00
147, Clinical Microscopy	40.00
148, Pathology	40.00

3. EXAMINATION FEES.

Columbian College:

For examination to qualify for advanced courses; each subject	10.00

In The School of Pharmacy:

For special examinations, each subject	5.00

In The School of Medicine:

For makeup for absence from regular examination, in each subject	10.00
For makeup after failure, in each subject	5.00

In The Law School:

For each special examination	10.00

4. GRADUATION FEE.

For any degree	15.00
For certificate in nursing	5.00

5. Fee for professional thesis in THE SCHOOL OF ENGINEERING 50.00

6. PHYSICAL EDUCATION FEE.

In Columbian College, The School of Engineering, The School of Education, The School of Pharmacy, The School of Government, The Division of Library Science, and *The Division of Fine Arts:*

Charged all undergraduate women to cover the cost of regulation uniform (payable once)	10.00

7. PRIVILEGES.

1. *Late Registration Fee,* charged all students who fail to register within the designated period	5.00
2. *Reinstatement Fee,* charged students who are reinstated after being dropped for delinquency in fees	4.00
3. *Change Fee,* for each change in program after registration	2.00

LABORATORY FEES AND DEPOSITS

Laboratory fees are charged in each course listed below, as indicated. Material fees are charged by the semester and may be paid in three installments when the tuition is paid in this manner. Breakage deposits,

Beaux Arts registration fees, and microscope rental are charged by the year and are due in full at the time of registration. Breakage of apparatus is charged against the individual student and the amount paid in excess of breakage will be returned at the end of the year.

ARCHITECTURE

Drawing Room Fee, a semester: Courses 1–2, 4, 25–26, 27–28, 125–126, 127–128, 141–142 ..... $4.00

Beaux Arts Registration Fee for one or more of the following: Courses 27–28, 125–126, 127–128, annually 8.00

BOTANY

Material Fee, a semester: Courses 1–2, 113, 114 ..... 5.00

CHEMISTRY

Material Fee, a semester:

Courses 51, ... 4.00
3–4, 5–6, 11–12, 123–124 ..... 8.00
113–114, 151–152 ..... 5.00
13, 22, 41-42, 121, 122, 145-146 ..... 10.00
125 ..... 2.00

Breakage Deposit:

Courses 125, ... 5.00
3–4, 5–6, 113–114 ..... 15.00
13, 11-12, 22, 41-42, 121, 122, 123-124, 145-146 ..... 20.00
51 ..... 10.00

Microscope Rental: Course 125 ..... 3.00

CIVIL ENGINEERING

Drafting Room Fee, a semester:

Courses 41, 42, 43–44, 150, 181–182 ..... 1.00
5, 41, 42, 147–148 ..... 2.00

Laboratory Fee, a semester:

Courses 14, 149 ..... 5.00

Surveying Fee:

Courses 5 ..... 2.00
71, 72 ..... 3.00
1, 102 ..... 5.00

ELECTRICAL ENGINEERING

Laboratory Fee, a semester:

Courses 140 ..... 1.00
13–14, 17–18, 133–134 ..... 5.00

ENGINEERING

Locker Rental, for all engineering students, per annum 1.00

MECHANICAL ENGINEERING

Drafting Room Fee, a semester:

Courses 3–4, 5, 7–8, 127–128 ..... $2.00

Laboratory Fee, a semester:

Courses 115, 116 ..... 5.00

GEOLOGY

Material Fee, a semester:

Courses 1–2 ..... 3.00

11–12 ..... 4.00

GRAPHIC ART

Drawing Room Fee, a semester:

Courses 1–2, 3–4, 5–6, 21–22, 101–102, 103, 104, 105–106, 107–108, 109–110, 121–122 ..... 3.00

HOME ECONOMICS

Material Fee, a semester:

Courses 3, 4, 53, 54 ..... 7.50

11, 61, 72, 101-102 ..... 3.00

LIBRARY SCIENCE

Material Fee 2.00

MEDICINE

Charged each student in The School of Medicine:

Material Fee, First, second and third year students, per annum 10.00

Breakage Deposit, all students, per annum 10.00

PHARMACY

Charged all students in The School of Pharmacy:

Material Fee, per annum 10.00

Breakage Deposit, per annum 15.00

PHYSICS

Material Fee, a semester:

Courses 7–8 ..... 5.00

9–10, 131–132, 231–232 ..... 8.00

15–16 ..... 4.00

PSYCHOLOGY

Material Fee, Course 120 ..... 3.00

SOCIOLOGY

Material Fee, Courses 211–212 per annum 3.00

ZOOLOGY

Material Fee, a semester: Courses 1-2, 121-122, 135	$5.00
Summer term, Courses 121–122	10.00
Miscroscope Rental, a semester:	
Courses 135, 151–152	5.00
121–122	7.00
Breakage Deposit:	
Courses 145–146	10.00
147, 148	5.00

FINANCIAL REGULATIONS

PAYMENT OF FEES

(a) All fees are payable at the Office of the Comptroller, 2033 G Street N.W., or in the case of fees in The School of Medicine, to the Comptroller's Assistant at 1335 H Street N.W.

(b) No student is permitted to complete registration or to attend classes until all fees due are paid.

(c) Fees for each semester are due and payable in advance at the time of registration.

(d) In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester hours may sign contracts for semester charges permitting installment payments as follows:

First Semester

One-third at the time of registration
One-third on November first
One-third on December first

Second Semester

One-third at the time of registration
One-third on March first
One-third on April first

(e) Students who fail to meet installment payments by the tenth of the month will be suspended, and may not attend classes until they have paid all accrued fees, a reinstatement fee of $4.00, and have been officially reinstated. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean of the School or Director of the Division in which the student is registered.

(f) No student may register in any Department of the University who owes fees in any other Department of the University.

(g) Auditors pay all fees chargeable to students registered for credit.

REFUNDS

No part of an installment payment shall be returnable. In no case will tuition be reduced because of non-attendance upon classes.

WITHDRAWALS

No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record.

In authorized withdrawals all financial adjustments will be made on the principle of the three installments per semester.

FELLOWSHIPS

Fellowships offered by the University are listed below. Application should be made direct to the Registrar of the University, unless otherwise stated.

BIOLOGY

Isabella King Research Fellowship in Biology. A Fellowship of the value of approximately $1,200 annually is offered for research in Botany or Zoology. The Fellowship is open to men and women holding the bachelor's degree from a reputable college, who have in hand the investigation of some problem in the solution of which the staff and facilities of the University may be of assistance.

The Fellowship is primarily intended to foster researches for which the libraries and scientific establishments in Washington offer special facilities. Accordingly, candidates whose problems require work at Washington will be given the preference.

Beside the prosecution of his research the Fellow will have opportunity to enter classes in fields coordinate with his problem. If teaching experience seems desirable for him he may be assigned a small amount of practice teaching—otherwise he will devote his whole time to study. He may or may not become a candidate for a higher degree.

Application for this Fellowship should be made before March 1, and should be accompanied by:

(1) Official transcript of the candidate's academic record.
(2) A statement of scientific positions held.
(3) Reprints of his scientific publications.
(4) Letter of recommendation.
(5) A recent photograph.
(6) As full a statement as possible of the nature of the investigation proposed.

CHEMISTRY

Four Fellowships in Chemistry are offered to graduates wishing to work for higher degrees in Chemistry. The stipend is $600 and tuition for the academic year. Those whose work has been satisfactory may receive appointments in the Summer Session.

The qualifications are a Bachelor's degree with four years in Chemistry (General, Analytical, Organic and Physical), Calculus, and Physics; and a reading knowledge of German or French.

Fellows devote 13 hours a week to assisting in the laboratory, conducting quiz-sections and grading papers.

Fellows may register for 12 semester hour credits each semester, so that the requirements for the degree of Master of Science may be satisfied in one academic year, plus one summer term of nine weeks.

Applications must be received by March 1. The applicant should have the Registrar of the college or university previously attended forward a transcript of his record directly to the Department of Chemistry, and request two professors to write to that Department stating his qualifications for teaching, his fitness to undertake graduate work, his age, physical condition and personal characteristics. The applicant should indicate which branch of Chemistry he wishes to study, and submit a recent photograph.

ENGLISH

There are three teaching fellowships in English, each with a stipend of $600 in addition to tuition. Each fellow will teach five hours a week.

HISTORY

In the History Department a teaching fellowship is offered, open to graduate students who have made measurable progress towards the doctor's degree, and wish to take advantage of the archival resources of Washington for completing dissertations. The teaching requirements consist of quiz master's work in the survey courses, and allow a large proportion of the incumbent's time for research. Applicants should present a statement of their personal and academic history, with recommendations and photograph.

LOANS AND SCHOLARSHIPS

Application and Award. Student loans and scholarships are administered by the University Committee on Student Loans and Scholarships. Applications for loans and scholarships must be made on forms which may be obtained from the Registrar of the University. Applications for scholarships must be filed in the office of the Secretary not later than September 15 of the year in which the scholarship is to be awarded, or in the case of students who intend to enter for the second semester, not later than January 15. It is recommended that students already enrolled in the University make application during the spring of the preceding year, not later than May 15. Further information may be obtained from the Registrar of the University.

LOAN FUNDS

Any student in good standing in the University shall be eligible for loans except insofar as loan funds are restricted by the donors. Loans will be limited to the amount required for tuition in each case.

Upon receipt of application the Registrar of the University will send to the candidate any special forms which may be required by the various foundations for which the Committee on Student Loans and Scholarships acts merely as a recommending agency. Applicants must submit at least four references, one of which must be that of a physician, and in the case of new students, one must come from the head of the institution last attended. Borrowers will sign notes for the amount borrowed. The terms of repayment of interest and principal will be arranged at the time of making the loan.

No candidate shall be approved for graduation by any faculty of the University if they have knowledge that the student is delinquent in a loan obligation incurred for education purposes either at The George Washington University or elsewhere.

Loan Funds available are listed below:

American Bankers Association Loan Scholarship. The Educational Foundation of the American Bankers Association has established a loan scholarship of $250 for the year 1929-30. Loans are limited to students taking courses in classes of junior or higher grade in Banking and Economics, and who are dependent for their education either in part or wholly upon their own efforts.

Daughters of the American Revolution Loan Fund. The District of Columbia Daughters of the American Revolution have established a revolving student loan fund, from which interest-bearing loans will be made to the daughters of members of the Daughters of the American Revolution in the District of Columbia. At present the fund amounts to $2,022.25.

Harmon Foundation Loan Fund. The Harmon Foundation has established a fund of $1,000 to be loaned to students of junior grade or above in courses leading toward a degree in the liberal arts or one of the professions. Loans are limited to students who are citizens of the United States and whose means of education are dependent either in part or wholly upon their own efforts.

Henry Strong Educational Foundation. From this fund established under the will of General Henry Strong of Chicago, an annual allotment of $600 is made to The George Washington University for loan scholarships available for the use of young men and women students under the age of 25 years, preferably in the upper classes, to aid them in obtaining a "practical, literary, scientific, mechanical or business education."

Henry Strong—William A. Maury Loan Fund. This fund amounting to $500 a year is also allocated from the funds of the Henry Strong Educational Foundation, to be loaned to students in The George Washington University Law School.

The Knights Templar Educational Loan Fund. This fund is contributed and administered by the Grand Commandery of Knights Templar of the District of Columbia and is available for loans to students, preferably in

the upper classes. The amount loaned to a student is limited to $200 and the terms of repayment are specially arranged in each instance.

University Student Loan Fund. The Trustees of The George Washington University have established a loan fund amounting to $5,000.

SCHOLARSHIPS

In the award of scholarships, the committee will be guided largely by the recommendations of the Dean of the School or College concerned.

All scholarships except the Kendall Scholarship, the University Scholarships and the Elma Lewis Harvey Scholarship are awarded for one year only, but they may be renewed. Any student holding a scholarship who fails to obtain a general average of two-thirds "C" grade on the work of any semester, or whose deportment is unsatisfactory, will be reported to the President's Council and in the absence of extenuating circumstances the scholarship will be revoked. Scholarships open for assignment are listed below in alphabetical order. For the list of scholarships available in a particular school, consult the announcement of the school.

The Byron Andrews Scholarship Fund. A fund founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, to provide scholarships "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

Elizabeth V. Brown Scholarship. This scholarship was founded by friends in memory of the late Elizabeth V. Brown. The scholarship is available for a woman student in The School of Education, who is a resident of the District of Columbia, and consists of the income on $1,200. It is administered by the Columbian Women.

Henry Harding Carter Scholarships. These scholarships, founded by Mrs. Maria M. Carter in memory of her husbend, Henry Harding Carter, consist of four scholarships of the annual value of $50.00 each, and may be awarded to deserving students who are preparing for the civil engineering profession.

Maria M. Carter Scholarship. This is the income of a fund of $1,000 given to the University in 1871 by Mrs. Maria M. Carter.

Citizens' Military Training Camps Scholarship. The University awards each year through the Citizens' Military Training Camps of the Third Corps Area a scholarship carrying tuition for one year in any one of the undergraduate departments. The award is made on the recommendation of the Camp officers.

Columbian Women Scholarships.

Nellie Maynard Knapp Scholarship Fund. A fund of $5,000 established in 1915 by the Columbian Women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women. The award is made by the scholarship committee of the Columbian Women.

Founders of Columbian Women Scholarship. This scholarship was established by the Columbian Women in 1920. It consists of a fund of $5,000, the income from which may be assigned to a deserving woman student. The award is made by the scholarship committee of the Columbian Women.

Third Columbian Women Scholarship. This scholarship was founded by the Columbian Women in 1925. At present it consists of a fund of $3,010.00, the income from which may be assigned to a deserving woman student. The award is made by the scholarship committee of the Columbian Women.

The Myrtie and Lewes D. Wilson Memorial Scholarship Fund of $1,000 is the gift of their daughter, Elizabeth Wilson. The interest from this fund is to be administered by Columbian Women in giving aid to a woman student in The School of Medicine whose academic standing and special fitness shall justify its award.

(See also the Elizabeth V. Brown Scholarship.)

The award of these scholarships is limited to residents of the District of Columbia.

Davis Scholarship. This is the income of a fund of $1,000 given to the University in October, 1869, by Hon. Isaac Davis, Governor of Massachusetts. Nominations for the scholarship may be made "by the founder or his eldest lineal descendant." In case no such nomination is made, the scholarship is to be awarded by the University.

Farnham Scholarship. This is the income of a fund of $1,000 given to the University in 1871 by Mrs. Robert Farnham.

The Elma Lewis Harvey Scholarship. This scholarship was founded in 1921 by Mrs. Emma Elizabeth Harvey, in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

High School Scholarships. High school scholarships are awarded annually on the recommendation of the faculties of the respective high schools to a member of the graduating class who intends to enter one of the undergraduate schools or divisions of the University. Students holding these scholarships must maintain a high standard of scholarship and deportment during their tenure. (See general statement for conditions under which scholarships may be revoked, page 62.) The Kendall and University Scholarships are awarded for the entire undergraduate course and the holders are exempt from tuition fees, the Summer Sessions excepted, but pay the University, laboratory, graduation and other fees. The Alexandria High School Scholarship is awarded under the same conditions, but for one year only.

The following conditions concerning High School Scholarships apply to those hereafter awarded:

High School Scholarships (with the exception of the Alexandria High School Scholarship, the term of which is one year) shall be valid for four continuous academic years following the award, subject to all the conditions stated herein. To hold any High School Scholarship a student must carry a full program of study, a full program being defined as at least 15 units of work, unless otherwise determined in individual cases by the Committee on Student Loans and Scholarships upon recommendation of the Dean of the School or College concerned. All holders of High School Scholarships are required to maintain an average of at least "B."

Kendall Scholarship. Founded by the late Hon. Amos Kendall. Assigned for award to the Central High School, Washington, D. C.

University Scholarships. Four in number, assigned for award to the Eastern, Western, McKinley, and Business High Schools, respectively, of Washington, D. C.

Alexandria High School Scholarship. Offered each year to a member of the graduating class of the Alexandria, Va., High School. The award of the scholarship is made by the officers of the school.

The John Hitz Metzerott Scholarship. This scholarship was established in 1923 in memory of John Hitz Metzerott, M.D., '91, by members of his family, and is to be awarded every six years, or as often as vacant, to a young man preparing to enter the medical profession. The donors reserve the right to nominate the holder of this scholarship. The holder of the scholarship may be a student pursuing a pre-medical course in Columbian College or the professional course in The School of Medicine.

Morehouse Scholarship. This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of $60.00 in tuition fees available for an undergraduate intending to enter the Baptist ministry.

Admiral Powell Endowment. The Powell Endowment was made by Admiral Levin M. Powell, U. S. Navy. The income from this endowment is for the "free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, or such as may fit them to becomes mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as, having filled their time in the great steam manufactory establishments of the country, may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. The scholarship is assigned to The School of Engineering.

The David Spencer Scholarship Fund. This fund was established by a bequest from Louisa J. Spencer. The income is used to aid in defraying the expenses of students who meet certain conditions established by the terms of the bequest.

Mary Lowell Stone Scholarship. This scholarship was founded by a woman in memory of a woman student of science. It consists of a fund of $2,000, the income from which is to be paid to needy women students of science in the University. Assigned to The Graduate School of Letters and Sciences.

Walker Scholarship. This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of $100 in tuition fees available for an undergraduate intending to enter the Christian ministry.

Withington Scholarship. This scholarship was founded in 1830 by the New York Baptist Theological Seminary, to be known as the Withington Scholarship. It has an annual stipend in tuition fees of $60.00.

Woodhull Scholarship. This scholarship was founded by the late Ellen M. E. Woodhull and consists of $600, the income from which may be assigned to a deserving student.

PRIZES

The Alpha Chi Sigma Freshman Prize in Chemistry. A prize of $10.00 is offered annually by the Alpha Pi Chapter of Alpha Chi Sigma Fraternity to the male student majoring in chemistry and taking not less than 18 semester hours per year who has attained the highest average in either Chemistry 3–4 or Chemistry 5–6.

The Alpha Chi Sigma Senior Medal for Excellence in Chemistry. A gold medal is offered annually by the Alpha Pi Chapter of Alpha Chi Sigma Fraternity to the graduating male student who has attained the highest average in chemical subjects, provided that he has completed an amount of chemistry equal to the minimum required for the degree of B. S. in Chemistry and that at least three-fourths of this work has been done at The George Washington University.

Alpha Delta Pi Prize. Alpha Pi Chapter of the Alpha Delta Pi Fraternity offers an annual prize of $10.00 to the student doing the best work in third-year French.

Alpha Delta Theta Prize in Chemistry. A gold medal is offered annually by Alpha Delta Theta Sorority to that woman student who maintains the highest average standing in Chemistry 3–4 or 5–6.

Chemical Society Prize. A medal is offered annually to that student belonging to the society who presents the best paper during the year.

The Chi Omega Prize in Social Sciences. Phi Alpha Chapter of the Chi Omega Fraternity offers a prize of $25 in Social Sciences. The prize will be awarded to the girl in the graduating class with the highest record in the Social Sciences combined with general excellence. The Social Sciences include Economics, Sociology, and Political Science.

Colonial Dames Prize. The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for excellence in American Colonial History. This prize will be awarded for general excellence in this subject as shown by class standing, by special essays, and by such other tests as shall be prescribed.

E. K. Cutter Prize. The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter. The endowment is a fund of $1,000, the income of which is given annually as a prize "for excellence in the study of English." The prize will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Daughters of the American Revolution Prize. This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of a gold medal, awarded annually to the student in the graduating class who, having maintained a high standing in the several courses in History offered by the University, shall produce the best essay upon an assigned topic of American history.

Davis Prizes. The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847, and they are awarded annually to such members of the Senior Class as shall have made the greatest progress in elocution since their connection with the University. The prizes are in gold, as follows: First prize, $15.00; Second prize, $10.00; Third prize, $5.00.

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Only members of the Senior Classes are eligible to compete. Students wishing to enter the competition should report to the Executive Officer of the Department of English not later than five weeks before the contest, and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee of three members, appointed by the Department of English.

Delta Tau Delta Activity Award. The Gamma Eta Chapter of the Delta Tau Delta Fraternity awards each year to "that member of the senior class who throughout his course at The George Washington University has done the most constructive work in the furtherance and upbuilding of the University Student Activities" a gold medal.

Delta Zeta Prize. Delta Zeta Sorority offers annually a prize of $10.00 in gold to be awarded to the student maintaining the highest average in General Botany.

Dietzgen Prize in Architecture. The Eugene Dietzgen Company offers a water color set to the freshman making the highest record in Architectural Drawing.

Dietzgen Prizes. The Eugene Dietzgen Company offers two prizes, each consisting of a drop bow pen, to students making the highest record in Machine Drawing. One prize is awarded to the best student in the morning class and the other prize to the best student in the evening class.

Ellsworth Prize. A prize of $25.00 in gold, offered by Mr. Fritz v. Briesen, called the "Ellsworth Prize," is awarded for the best work done by a student in the subject of Patent Law Practice.

Engineering Society Prize. The Engineering Society offers annually a gold medal, bearing the insignia of the Society, to the student presenting before the Society the best speech on a technical subject.

The Episcopal Club of The George Washington University gives an annual prize of $10.00 for an essay on a subject to be announced each year. This prize is open to freshmen or sophomores who are taking a course in mediaeval history.

Willie E. Fitch Prize. The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of $50.00, which is awarded annually for the best examination in Chemistry.

The Gamma Beta Pi Sorority offers annually a gold medal for excellence in Botany. Details concerning this award may be obtained from the Department of Botany.

Morgan Richardson Goddard Medal in Commerce. This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard, of Georgetown, D. C., in memory of Morgan Richardson Goddard, and is awarded to the student making the highest average in Commerce. The prize consists of a gold medal and $25.00 in gold.

Edward Carrington Goddard Medal in French. This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard, of Georgetown, D. C., in memory of Edward Carrington Goddard, '81, and is awarded to the student making the highest average in the French language and literature.

James Douglas Goddard Medal in Pharmacy. This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard, of Georgetown, D. C., in memory of James Douglas Goddard, and is awarded to the student making the highest average in Pharmacy.

Heaton Prizes in Architecture. Mr. Arthur B. Heaton has presented two sets of architectural books to be awarded as prizes to the two students having the highest grades in the courses on architectural design.

Samuel Herrick Prize. A prize of $25.00 cash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class in The Law School, excepting the winner of the gold medal, who has attained the highest average grade in the work of the third year.

The Gardiner G. Hubbard Memorial Prize. This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The endowment is a fund of $1,000, the income from which is to be given annually to that member of the graduating class who has during four years maintained a high standing in the several classes in History, and who has produced the best essays upon subjects based upon a study of some assigned period of American History.

Kappa Alpha Prize in Economics. An annual prize of $10.00 is offered by the Alpha Nu Chapter of Kappa Alpha Fraternity for the best essay on a subject in the field of Economics. The essays will be judged by a committee of three, consisting of the Professor of Economics, a member designated by the Fraternity and a third member designated by the first two. The essays must be submitted by the first of May.

Kappa Delta Scholarship Prize. The Kappa Delta Fraternity offers, annually, a silver loving cup to that girl of the Freshman Class, registered for a degree in Columbian College, The School of Engineering, the School of Education, The School of Government, The Division of Library Science, or The Division of Fine Arts, who attains the highest average during her first year of not less than 24 semester hours of work.

The John Bell Larner Gold Medal. A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class in The Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

Livingston Prize. The Livingston Company offers a handbook on Mechanical Engineering to the undergraduate making the highest record in the study of Machine Design.

Muth Prize. George F. Muth and Company offer a slide rule to the student who makes the highest record in Mechanical Drawing.

The Ordronaux Endowment Prize of $100 is awarded at Commencement to that member of the graduating class in The School of Medicine who has the highest scholastic standing.

The Ordronaux Prize Scholarship. A prize scholarship, known as "the Ordronaux Prize Scholarship," is awarded annually to that member of the second-year class taking the regular course in The Law School who shall have attained the highest average grade in the work of the second year. The recipient of this prize will be entitled to receive credit for tuition fees to the extent of $100 in his third year; the diploma fee will remain payable.

The award of this scholarship is purely personal and will not be commuted to a cash payment. The recipient of the scholarship must make use of it during the session next succeeding its award; otherwise it will be awarded to the person having the next highest average.

The Faculty Prizes in Pharmacy.

First Year. The best specimen of each Pharmaceutic Galenical made in the first-year class is saved and at the end of each year a prize of five dollars in gold is awarded the first-year student having the largest number of products selected.

Second Year. The best specimen of each prescription compounded in the second-year class is saved and at the end of each year a prize of five dollars in gold is awarded the student having the largest number of prescriptions selected.

Phi Delta Prize in Zoology. Zeta Chapter of Phi Delta Sorority offers annually a gold medal to the outstanding freshman student in Zoology 1-2.

Phi Delta Gamma Prizes in Oratory. The George Washington University chapter of Phi Delta Gamma offers annually a silver cup and two gold medals for the best freshman orations. A copy of the regulations governing the prize awards may be obtained from the Registrar of the University.

Phi Mu Prize in Playwriting. An annual prize is offered by the Phi Mu Fraternity for a one-act play of approved excellence written by a student in the University. The award will be made by the English Department of the University, and The George Washington University Players shall have the opportunity to give the first production of the play.

Pi Beta Phi Prize. A prize of $20.00 in gold is awarded annually by the District of Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the Senior Class who throughout her college course has done the most constructive work in the promotion of student activities among the women of the University.

Ruggles Prizes. The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL.D., consist of two gold medals, annually awarded upon examination to the best two scholars in Mathematics.

Scarab Medals. The Scarab Fraternity awards each year to students in The Division of Fine Arts:

1. A bronze medal for the best Class B projet; 2. A silver medal for the best Class A and B Archaeology; 3. A silver medal for the best Class A projet.

Sigma Kappa English Prize. An annual prize of a set of books to the value of $10.00 is offered by the Sigma Kappa Sorority to the student passing the best examination in the year's work in English Rhetoric. All members of the classes in English Rhetoric are eligible for this special examination, which will be given during the final examinations.

Sigma Kappa Prize in Chemistry. A prize of $10.00 is offered annually by Zeta Chapter of Sigma Kappa Sorority to that student who passes the best examination in Freshman Chemistry.

Sigma Tau Prize. The Xi Chapter of Sigma Tau offers annually a gold medal to the freshman in The School of Engineering who maintains the highest scholastic standing throughout the year.

Staughton and Elton Prizes. The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D.D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

James Macbride Sterrett, Jr., Prize. Founded by the late Professor James Macbride Sterrett, in memory of his son, consists of a gold medal annually awarded to that student who obtains the highest average in the course in General Physics. (Students in Courses 7–8 and 9–10 are considered.)

The Thomas F. Walsh Prize. This prize, established by Thomas F. Walsh, Esq., of Colorado, and based upon the income of $1,000, consists of a gold medal awarded annually to that student of the graduating class who, having maintained a high standard in the several courses in History, shall produce the best essay upon a designated period of the History of England in its association with the History of Ireland.

The Alexander Wilbourne Weddell Prize. From a fund established by a gift of Mrs. Virginia Chase Weddell, an annual prize of $250 is awarded to a student of the University, who is registered for a degree, for the best essay upon the subject of "the promotion of peace among the nations of the world." The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

Women's "G. W." Club Cup. Awarded annually to the member of the graduating class who has done most in the furtherance of athletics for the women in the University.

LIVING ACCOMMODATIONS

The George Washington University is an urban institution. It maintains no dormitories. For the benefit of non-resident students registers of rooms which have been inspected and approved are kept in the office of the Secretary for Women's Activities where inquiries in respect to housing facilities should be addressed. Satisfactory accommodations can be found near the University.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins. Renting by mail is unsatisfactory. Lists of houses will be mailed on request, but students are advised to make personal inspection before engaging rooms.

Women Students. All women students under 23 years of age must have their residences approved by the Secretary for Women's Activities, unless they are living with family or relatives. Registration is not complete until such approval is given.

REGULATIONS

SCHOLARSHIP REQUIREMENTS

A student who fails to maintain the scholarship requirements of the school in which he is registered is subject to be placed on probation or dropped from the University.

EXAMINATIONS

Examinations are scheduled in all courses at the end of each term or the completion of the course.

Students guilty of dishonesty in examinations may be deprived of credit for the courses in which dishonesty occurs, and suspended or expelled from the University.

For further regulations regarding examinations consult the announcements of the several schools.

GRADES

As soon as possible after final examinations reports are issued through the office of the Registrar. Grades are not given out by instructors. For detailed information concerning the grading system consult the announcements of the several schools.

CONDITIONS AND FAILURES

Students who do not make a passing grade in any course are either conditioned or failed. A condition may be removed and credit for the course received in accordance with the requirements of the several schools. A failure may not be removed, and credit for the course may be received only after repeating the course with a passing grade.

Entrance Conditions—See "Admissions."

ADVANCEMENT AND CLASSIFICATION OF STUDENTS

Requirements for promotion in the several schools are stated in the announcements of the schools.

On request the Registrar will furnish to students balance sheets showing the amount of work completed and the amount needed to be taken to complete the requirements for a degree.

GRADUATION REQUIREMENTS

Application for graduation should be filed at the time of registration for the first semester of the senior year and not later than thirty days before the date of graduation.

To be recommended for graduation in any department of the University, a student must have met the admission and residence requirements of the school in which he is registered; have completed satisfactorily the requirements for the degree for which he is registered; and be free from all indebtedness to the University.

The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Candidates are expected to be present at the graduation exercises, unless special arrangements have been made through the Dean of their college for conferring the degree "in absentia."

PHYSICAL EDUCATION REQUIREMENTS

All entering students in Columbian College, The School of Engineering, The School of Education, The School of Pharmacy, The School of Government, The Division of Library Science, and Department of Graphic Art in The Division of Fine Arts, taking at least three subjects before the late afternoon session are required to complete satisfactorily, without credit in semester hours, the regular freshman and sophomore courses in Physical Education. These courses are required for graduation. Students entering with advanced standing are not exempt from this regulation unless they have satisfactorily met the requirements elsewhere.

The required medical and physical examinations are given beginning September 21 and must be completed before October 9, 1929. Appointments should be made before registration is complete.

See pages 296 and 297 for the announcement of courses.

ATTENDANCE

Students are not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance is required. For undue absence in any class a student may be dropped from the class.

In case of absence from the University no refund of tuition is made.

Tuition charges are made on a semester basis and in no case will tuition be reduced because of non-attendance upon classes.

Students who have been suspended for delinquency in payment of fees or who have been suspended for any other reason are not permitted to attend classes during the period of suspension.

Non-continuous Attendance. Students absent for one or more continuous academic years may re-enter and continue their work only under the rules and regulations in force at the time of their return.

For further regulations regarding excuses consult the announcements of the several schools.

WITHDRAWALS AND CHANGES OF COURSE

All registrations are for the semester, unless otherwise stated in the registration paper. A student is liable for all charges for courses for which he has registered unless changes have been made with the approval of the proper officers.

A student who is obliged to withdraw from the University during the semester, or to drop a course before its completion, should immediately report in person or in writing to the Dean of the college or school in which he is registered for authorization to effect such change of status. Reporting the dropping of a course to an instructor does not effect its discontinuance. No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record. See page 62.

CREDIT

of the special libraries.)

Classification. The Cutter system of classification is used and the books on the open shelves of the reading room are arranged according to the classification letters, A, C, D, etc. The catalogue contains in one general alphabetical list the names of authors, subjects and titles.

ADVANCEMENT AND CLASSIFICATION OF STUDENTS

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The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Candidates are expected to be present at the graduation exercises, unless special arrangements have been made through the Dean of their college for conferring the degree "in absentia."

PHYSICAL EDUCATION REQUIREMENTS

ERRATUM

Under "Physical Education Requirements" the first paragraph should read:

All entering students in Columbian College, The School of Engineering, The School of Education, The School of Pharmacy, The School of Government, The Division of Library Science, and Department of Graphic Art in The Division of Fine Arts, are required to complete satisfactorily the regular freshman and sophomore courses in Physical Education. These courses are required for graduation. Students entering with advanced standing are not exempt from this regulation unless they have satisfactorily met the requirements elsewhere.

ATTENDANCE

Students are not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance is required. For undue absence in any class a student may be dropped from the class.

In case of absence from the University no refund of tuition is made.

Tuition charges are made on a semester basis and in no case will tuition be reduced because of non-attendance upon classes.

Students who have been suspended for delinquency in payment of fees or who have been suspended for any other reason are not permitted to attend classes during the period of suspension.

Non-continuous Attendance. Students absent for one or more continuous academic years may re-enter and continue their work only under the rules and regulations in force at the time of their return.

For further regulations regarding excuses consult the announcements of the several schools.

WITHDRAWALS AND CHANGES OF COURSE

All registrations are for the semester, unless otherwise stated in the registration paper. A student is liable for all charges for courses for which he has registered unless changes have been made with the approval of the proper officers.

A student who is obliged to withdraw from the University during the semester, or to drop a course before its completion, should immediately report in person or in writing to the Dean of the college or school in which he is registered for authorization to effect such change of status. Reporting the dropping of a course to an instructor does not effect its discontinuance. No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record. See page 62.

CREDIT

Credit toward a degree is given only after regular registration for, attendance in, and satisfactory completion of the required work of classes in the University, or upon the granting of advanced standing in accordance with the regulations of the several schools.

TRANSFER OF RECORDS

Official transcripts of student records will be forwarded on request to other institutions. Copies of records will be furnished to students on request. No charge is made for the first transcript or copy; a fee of one dollar is charged for each one thereafter. (See page 62, "Withdrawal.")

THE LIBRARY

General Library Regulations are as follows: (See announcements of The School of Medicine and The Law School for regulations governing the use of the special libraries.)

Classification. The Cutter system of classification is used and the books on the open shelves of the reading room are arranged according to the classification letters, A, C, D, etc. The catalogue contains in one general alphabetical list the names of authors, subjects and titles.

CIRCULATION

When a desired book has been found in the catalogue, the classification or call number and the author and title should be copied from the card and handed to the attendant.

Books for Home Use.

1. Books, pamphlets, and periodicals not reserved for reference may be withdrawn by students, faculty, and alumni of the University for a period of one week. They may be renewed for the same period, except when there is a special demand for them.

2. Books, pamphlets, and periodicals shall be recorded at the Librarian's desk (in the center of the room) before they are taken from the Library.

3. Books withdrawn from the Library shall, upon their return, be brought to the Librarian's desk to be discharged.

4. A record is not clear as long as there is an over-due charge for books or magazines against a student, and the failure to return them will be referred for action to the Dean of the college in which the student is registered and the Comptroller of the University.

Reserve and Reference Books.

1. *Reserve Books.* Books assigned for supplementary reading are reserved. Books will be placed on reserve as they are requested in writing by the professors.

A reserve book may be secured by filling out a reserve book slip at the reserve section. The book may not be taken from the reading room of the Library. It must be returned to the reserve section by the reader to whom it is charged, and the signed slip will be returned as a receipt. Any student taking a reserve book from the room will be reported for suspension to his Dean. When a book is in great demand, the period of use may be restricted.

2. *Reference Books.* The Reference section consists of dictionaries, encyclopedias, guides, indexes, yearbooks, almanacs, atlases, and other standard reference books. They are kept on the shelves of the reading room at all times, and may be used only in the room.

CONDUCT OF STUDENTS

A student enrolled in the University is required to obey the general University regulations and to comply with the rules and regulations of the faculty of the college in which he is registered, and to conduct himself at all times with decorum and propriety. On failure to comply with any regulation, or because of unseemly conduct, the student may be placed on probation by the Dean of his college, or may be recommended for suspension or expulsion from the University.

HEALTH ADMINISTRATION

The University maintains a staff of medical officers and a hospital.

The payment of the University fee entitles the student to certain health services described under the Department of Health Administration, page 26.

APPOINTMENT BUREAU

The Appointment Bureau is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. A teacher placement service is included in the work of this department. Enrollment is open to graduates and students without charge for placement.

Student Employment. An employment service is operated to assist self-supporting students in finding employment. The University offers every possible assistance, but success in self-support depends upon the student himself. Earnings in full-time work range from sixty to one hundred and twenty-five dollars a month; in part-time and occasional work, an average of about forty dollars a month can be earned under favorable circumstances.

Prospective students who expect to earn any part of their expenses, and who do not have definite appointment to positions before coming to Washington, should have the means of support for at least one semester. A minimum budget of one hundred dollars a month is recommended.

Many out-of-town students take the United States Civil Service examinations in their home states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue a limited college course in the late afternoon.

For further information address:

The Appointment Clerk,
The George Washington University,
Washington, D. C.

ASSEMBLIES

Chapel exercises will be held on Fridays at 12:10 o'clock in Corcoran Hall.

University Assemblies will be held from time to time. The attendance of students may be required.

Freshman Assembly. There is an assembly for freshman women on Wednesday at 12:10. This is required in the first semester for those students entering in September and in the second semester for those entering in February.

STUDENT ACTIVITIES

Privileges. The following student activity privileges are included in the payment of the University fee charged all students:

1. Gymnasium privileges, including participation in intra-university athletic sports, and the use of the University tennis courts.
2. The University Hatchet, the official student newspaper issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

Eligibility. No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the school or division in which he is registered may participate in student activities or represent the University on its athletic teams or other student activity.

In order to be eligible to represent the University in any activity, a student must be registered for at least 60 per cent of the number of hours constituting a full course in his department. No man student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a Varsity athletic team in an intercollegiate contest. The rules of the Women's Athletic Association govern the eligibility of women students for participation in athletics.

Control. Control and direction of all student activities are vested in the Committees on Extra Curricular Activities, which in turn are subject to the supervision and control of the President's Council.

PERSONAL PROPERTY OF STUDENTS

The University is not responsible for the loss of personal property belonging to students in any University building.

For further information, catalogues, and application blanks, address "The Registrar, The George Washington University, 2033 G Street, Washington, D. C."

THE COLLEGE, SCHOOLS, AND DIVISIONS

COLUMBIAN COLLEGE

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
CHARLES EDWARD HILL, PH.D., *Dean of Columbian College..*
HENRY GRATTAN DOYLE, A.M., *Dean of the Lower Division in Columbian College.*

COMMITTEES

THE DEAN'S COUNCIL

CHARLES EDWARD HILL, *Chairman*

1930

THOMAS BENJAMIN BROWN
MERLE IRVING PROTZMAN

1931

COLIN MACKENZIE MACKALL
HAROLD GRIFFITH SUTTON

1932

ROBERT WHITNEY BOLWELL
WARREN REED WEST

ADMISSION AND ADVANCED STANDING

HENRY GRATTAN DOYLE
AUDLEY LAWRENCE SMITH
EDWARD HENRY SEHRT
HAROLD GRIFFITH SUTTON

SCHOLARSHIP

THOMAS BENJAMIN BROWN, *Chairman*
JOHN DONALDSON
MERLE IRVING PROTZMAN

REGISTRATION

WARREN REED WEST, *Chairman*
WALTER LYNN CHENEY
DOUGLAS BEMENT

EXAMINATION AND SCHEDULE

ELMER LOUIS KAYSER, *Chairman*
BENJAMIN DOUGLASS VAN EVERA
FRANCIS EDGAR JOHNSTON

LIBRARY

ROBERT WHITNEY BOLWELL, *Chairman*
ALAN THOMAS DEIBERT
JOHN ALBERT TILLEMA

DISCIPLINARY RELATIONS

CHARLES EDWARD HILL, *Chairman*
HENRY GRATTAN DOYLE
ANNA PEARL COOPER

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*Arranged, with the exception of the President and Dean, on the basis of collegiate seniority.

EMERITUS PROFESSORS

JAMES HOWARD GORE, PH.D., LITT.D., LL.D., *Professor Emeritus of Mathematics.*

CHARLES EDWARD MUNROE, PH.D., LL.D., *Professor Emeritus of Chemistry.*

GEORGE PERKINS MERRILL, PH.D., SC.D., *Professor Emeritus of Geology.*

CHARLES CLINTON SWISHER, LL.B., PH.D., LL.D., *Professor Emeritus of History.*

ACTIVE LIST

HOWARD LINCOLN HODGKINS, PH.D., SC.D., *Professor of Mathematics.*

WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*

PAUL BARTSCH, PH.D., *Professor of Zoology.*

GEORGE NEELY HENNING, A.M., LITT.D., *Professor of Romance Languages.*

CHARLES SIDNEY SMITH, PH.D., *Professor of Classical Languages.*

EDWARD ELLIOTT RICHARDSON, M.D., PH.D., *Elton Professor of Mental and Moral Philosophy.*

RAY SMITH BASSLER, PH.D., *Professor of Geology.*

OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology.*

DEWITT CLINTON CROISSANT, PH.D., *Professor of English.*

ROBERT RUSS KERN, A.B., *Professor of Sociology.*

TRUMAN MICHELSON, PH.D., *Professor of Ethnology.*

CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*

JOHN THOMAS ERWIN, A.M., *Professor of Mathematics.*

HIRAM COLVER MCNEIL, PH.D., *Professor of Chemistry.*

THOMAS BENJAMIN BROWN, PH.D., *Professor of Physics.*

HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*

ROBERT FISKE GRIGGS, PH.D., *Professor of Botany.*

JOHN DONALDSON, PH.D., *Professor of Political Economy.*

JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry.*

GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*

SAMUEL FLAGG BEMIS, PH.D., *Professor of History.*

COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*

EDWARD HENRY SEHRT, PH.D., *Professor of German.*

RICHARD NORMAN OWENS, PH.D., C.P.A., *Professor of Accounting and Business Administration.*

ROBERT WHITNEY BOLWELL, PH.D., *Professor of American Literature.*

WALTER LYNN CHENEY, PH.D., *Professor of Physics.*

FRED AUGUST MOSS, PH.D., M.D., *Professor of Psychology.*

JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics.*

WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking.*

ROLVIX HARLAN, PH.D., *Visiting Professor of Sociology.*

ADOLPH EDWARD ZUCKER, PH.D., *Visiting Professor of German.*

EDWIN ALLSTON HILL, PH.D., *Professorial Lecturer in Chemistry.*

JOSEPH S. ZUCKER, PH.D., B.S.C. IN ACCOUNTING, *Professorial Lecturer on Accounting.*
HARRY GRANT HODGKINS, A.B., *Associate Professor of Mathematics.*
*ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*
HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*
ANNA PEARL COOPER, A.M., *Associate Professor of English.*
MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*
WARREN REED WEST, PH.D., *Associate Professor of Political Science.*
LELAND A. BROWN, PH.D., *Associate Professor of Zoology.*
DUDLEY WILSON WILLARD, PH.D., *Associate Professor of Sociology.*
RALPH BAXTER FOSTER, A.M., *Assistant Professor of Romance Languages.*
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JOHN ALBERT TILLEMA, PH.D., *Assistant Professor of Political Science.*
AUDLEY LAWRENCE SMITH, A.M., *Assistant Professor of English.*
LOWELL JOSEPH RAGATZ, PH.D., *Assistant Professor of History.*
WILLIAM STULL HOLT, PH.D., *Assistant Professor of Political Science.*
FRANCIS EDGAR JOHNSTON, PH.D., *Assistant Professor of Mathematics.*
JAMES CHRISTOPHER CORLISS, A.B., *Assistant Professor of Spanish.*
COURTLAND DARKE BAKER, A.M., *Assistant Professor of English.*
DOUGLAS BEMENT, A.B., LL.B., *Assistant Professor of English.*
ARTHUR JOHN M. JOHNSON, PH.D., *Assistant Professor of Physics.*
IRENE CORNWELL, PH.D., *Assistant Professor of Romance Languages.*
FLORENCE MARIE MEARS, PH.D., *Assistant Professor of Mathematics.*
EDGAR WILLIAM WOOLARD, PH.D., *Assistant Professor of Mathematics.*
JOHN RYDJORD, PH.D., *Visiting Assistant Professor of History.*
CECIL KNIGHT JONES, B.LITT., *Lecturer in Spanish American Literature.*
GEORGE LESLIE FARNHAM, A.B., B.D., *Lecturer in Public Speaking.*
CHARLES ELMER RESSER, PH.D., *Lecturer in Geography.*
CAROLINE BENEDICT CARROLL, A.B., *Lecturer in Archaeology.*
WILLIAM MIDDLETON, A.M., *Lecturer in Psychology.*
WILLIAM WEBSTER DIEHL, M.S., *Lecturer on Mycology.*
*ALICE MORTON BALL, *Lecturer on Editing.*
*JAMES EVERARD BENEDICT, JR., B.F., *Lecturer on Bryology.*
KATHERINE TAIT OMWAKE, PH.D., *Lecturer in Psychology.*
RAINARD BENTON ROBBINS, PH.D., *Lecturer on Insurance.*
ELWOOD STREET, A.M., *Lecturer in Sociology.*
CYRIL BRYCE UPHAM, PH.D., LL.B., *Lecturer on Commercial and Maritime Law.*
PAUL EUGENE GROPP, A.M., *Instructor in German.*
*PAUL WILLIAM BOWMAN, A.M., *Instructor in Botany.*
BENJAMIN DOUGLASS VAN EVERA, M.S., *Instructor in Chemistry.*
MARY QUICK BOWMAN, A.M., *Instructor in Zoology.*

* On leave 1929–1930.

Forrest Albert Young, A.M., *Instructor in Economics.*
Ernest Sewall Shepard, A.M., *Instructor in English.*
William James Berry, E.M., M.S., *Instructor in Mathematics.*
Thelma Hunt, Ph.D., *Instructor in Psychology.*
Paul Vincent Mook, M.S., *Instructor in Botany.*
Martha Gibbon, A.M., *Instructor in English.*
Theodore Roskam Jehne, A.M., *Instructor in German.*
Carey Birdsong Jackson, B.S., *Instructor in Chemistry.*
DeWitt Clinton Knowles, M.Sc., *Instructor in Chemistry.*
John M. Large, M.S., *Instructor in Chemistry.*
Jesse Virgil Mauzey, A.M., *Visiting Instructor in Philosophy.*
Edward Cullom, A.M., *Associate in French.*
Charles Frederick Kramer, Jr., A.M., *Associate in French.*
Angel Cabrillo y Vàzquez, A.M., *Associate in Spanish.*
Andre-Marie-Georges Benèteau, A.M., *Associate in French.*
Frank McGinley Phillips, Ph.D., *Associate in Statistics.*
Daniel Champlin Chace, A.B., *Associate in Journalism.*
William Thomas McClosky, A.B., *Associate in Zoology.*
Edward Porter Henderson, M.S., *Associate in Mineralogy.*
Fay Pierce Beij, A.M., *Associate in Zoology.*
Charles Garfield Eichlin, M.S., *Associate in Physics.*
Henry Theodore Wensel, Ph.D., *Associate in Physics.*
Charles Holcomb Popenoe, B.S., *Associate in Zoology.*
Helen Marie Dwyer, M.S., *Associate in Chemistry.*

INTRODUCTORY STATEMENT

Columbian College, the undergraduate college of letters and sciences of The George Washington University, was founded in 1821.

ADMISSION REQUIREMENTS

Candidates for admission to the first class of the Lower Division must submit 15 units of accredited secondary school work which shall include:

For the General Courses:

English, 3 units; Foreign Language, 2 units (both in the same language); Algebra, 1 unit; Plane Geometry, 1 unit; Electives, 8 units.

For the Pre-Medical Course:

English, 3 units; Foreign Language, 2 units (Latin is desirable and both units must be in the same language); Algebra, 1 unit; Geometry, 1 unit; History, 1 unit; Science, 1 unit (Botany, Chemistry, Physics or Zoology); Electives, 6 units. No candidate will be accepted with any condition in secondary school work.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a year's full work. It includes in the aggregate not less than 120 sixty-minute hours of prepared class room work.

For general regulations regarding admission and filing of credentials and description of prescribed studies, see page 51.

REGISTRATION

See page 57.

FEES

The following fees are prescribed by statute:

1. *University Fee.*
   For each semester or any part thereof ..... $ 6.00
2. *Tuition.*
   For each semester hour credit of courses taken 7.00
   Special Course fees:
   Zoology 145–146, Bacteriology 60.00
   147, Clinical Microscopy 40.00
   148, Pathology 40.00
3. *Examination Fee.*
   For examination to qualify for advanced courses, each subject 10.00
4. *Graduation Fee* 15.00
5. *Physical Education Fee.*
   For undergraduate women, for official uniform 10.00
6. *Late Registration Fee* 5.00
7. *Reinstatement Fee* 4.00
8. *Change Fee* 2.00
9. *Laboratory fees,* see page 56.

FINANCIAL REGULATIONS

See page 62.

SCHOLARSHIPS AND LOAN FUNDS

The following scholarships may be assigned in Columbian College: Byron Andrews Scholarship Fund; Maria M. Carter Scholarship; Citizens' Military Training Camp Scholarship; Columbian Women Scholarships; Davis Scholarship; Farnham Scholarship; Elma Lewis Harvey Scholarship; John Hitz Metzerott Scholarship; Morehouse Scholarship; Davis Spencer Scholarship Fund; Walker Scholarship; Withington Scholarship; Woodhull Scholarship.

For particulars of application and award and information concerning loan funds, see page 64.

PRIZES

See page 69.

THE LOWER DIVISION

The Lower Division includes the first two years of college work. Its curriculum is intended to continue the studies of a general cultural nature begun in the elementary and secondary schools, and to lay the foundation for the more specialized work which is to follow. During the freshman and sophomore years emphasis is accordingly laid (1) upon the social, cultural, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the mental tools necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign language, mathematics, etc.).

The Lower Division also provides the pre-professional work required for admission to the respective Schools of Law, Medicine, and Education.

ADMINISTRATION

Students in the Lower Division are under the direction and supervision of the Dean of the Lower Division and of the Council of Columbian College.

In order that students may have abundant opportunities, not only for assistance in planning their courses of study at the time of registration, but also technical and vocational advice in every phase of their academic work during the first two years, a number of members of the faculty serve as members of the Board of Advisers to Lower Division Students. Students are ordinarily expected to continue to consult with the same advisers throughout their freshman and sophomore years, it being understood that the advisers act in the capacity of educational advisers rather than as members of their respective departments of instruction.

CERTIFICATE OF JUNIOR STANDING

Upon the satisfactory completion of the requirements of the Lower Division, a Certificate of Junior Standing is granted. This certificate is required for admission to the junior class of Columbian College and to the professional schools which require two years of pre-professional work.

Honorable Mention with the Junior Certificate. Honorable mention will be granted with the Junior Certificate in accordance with the regulations of the faculty.

DEGREES AND COURSES

The degrees offered are Bachelor of Arts and Bachelor of Science. In conjunction with the professional courses the following combined courses are offered: a seven-year course leading to the degrees of Bachelor of Arts and Doctor of Medicine; and a six-year course leading to the degrees of Bachelor of Arts and Bachelor of Laws.

Candidates for admission to The School of Medicine, The Law School and The School of Education may take the required preliminary courses in Columbian College.

REQUIREMENTS FOR DEGREES

Requirements. To be recommended for a degree, the student must satisfy the admission, residence, scholarship and curriculum requirements. The curriculum requirements include at least one hundred and twenty-four semester hours of credit. A semester hour of credit is one recitation or lecture a week or one laboratory period a week for one semester.

Residence. One year in residence with at least 30 semester hours, or 24 semester hours in the combined courses, must be completed in Columbian College. Residence may be satisfied, in whole or in part, in the Summer Session. The work of the senior year is to be done in residence. Exceptions will require the approval of the Dean. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed and the residence requirements satisfied. When the college work is limited to the last two class periods and the evening laboratory periods, the length of the course is generally six years.

Scholarship. At least as many quality points as hours of credit are required for graduation. Quality points are figured as follows: A—3 points, B—2 points, C—1 point, D—0 points for each semester hour of credit.

Physical Education. The physical education requirement consists of the prescribed freshman and sophomore assignments (see Announcement of Physical Education Courses), to be taken in the freshman and sophomore years by all students.

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year.

HONORS

General and Special Honors may be awarded at graduation as follows: Honors shall be awarded and announced only at the June Commencement but students graduating at the October or February convocations of the same academic year, who have fulfilled the requirements, shall be eligible for Honors equally with students graduating in June.

GENERAL HONORS

There are three grades of General Honors: (1) "With Highest Distinction," (2) "With High Distinction," (3) "With Distniction."

(1) "With Highest Distinction," shall be granted only to students whose records are extraordinary. It shall be granted only by special vote of the faculty.

"With High Distinction" and "With Distinction" shall be based upon averages of grades of all work taken, both here and elsewhere, except for the grades of the semester immediately preceding the granting of the degree.

The average shall be computed as follows: A—3 points, B—2 points, C—1 point, and D—0 points. (This is equivalent to considering A—95 per cent, B—85 per cent, C—75 per cent, and D—65 per cent.

(2) "With High Distinction" shall be given at the discretion of the faculty to those attaining an average of 2.5 points or better.

(3) "With Distinction" shall be given at the discretion of the faculty to those attaining an average of 2.0 points or better.

To be eligible for General Honors, a student must have had at least three-fourths of his work towards the degree at this University, and may have had no grade below "D" after the freshman year.

SPECIAL HONORS

In addition to "General Honors," "Special Honors" may be awarded in individual fields, e.g., in Chemistry or Economics or English. A student may be awarded both General and Special Honors.

Special Honors shall be awarded only upon recommendation of the major department after the candidate has successfully completed all the special work assigned in connection with honors and has successfully passed a general examination bearing on his major subject in the junior and senior years.

Any student whose work in the Freshman and Sophomore years, whether done in The George Washington University or elsewhere, is satisfactory in the opinion of his major department, and who spends his junior and senior years at The George Washington University may become a candidate for Special Honors.

In addition to the courses taken as a major for graduation, the candidate shall do such additional reading or other work in the junior and senior years as may be directed by the major department, and such work shall be tested and evaluated as the major department sees fit.

No student shall be awarded Special Honors unless he ranks in the upper one-third of his class at graduation.

CURRICULUM REQUIREMENTS

There are five curriculum groups, each leading to the Bachelor's degree, and special courses covering the requirements for admission to The School of Medicine, The Law School, and The School of Education. Every candidate for a degree must satisfy the requirements of one of the groups listed below.

A. Bachelor of Arts.
   I. General
   II. Commerce
   III. Accounting and Business Administration.
   IV. Pre-Legal—For the Combined Course of A.B. and LL.B.
   V. Pre-Medical—For the Combined Course of A.B. and M.D.
   VI. Pre-Education—For admission to The School of Education.

B. Bachelor of Science.

C. Special Pre-Medical Course.

In selecting courses of study to conform to the requirements of his chosen curriculum group the student shall be governed by the following regulations:

1. After having selected a curriculum group a student is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

2. When a *foreign language* is begun in satisfaction of a curriculum requirement, the same foreign language must be continued the following year.

3. *Sophomores* are free to elect any first or second section subject for which the work of the Freshman year has prepared them.

4. *The Major.* Before graduation a major of not less than 24 semester hours must be completed in an approved subject.

5. Unless otherwise indicated, the work of the *Junior and Senior* years is elective, subject to the following restrictions:

a. *Major.* The candidate's choice of studies comprising the major shall be subject to the approval of the major department. Courses of an elementary or introductory character shall not be counted as satisfying the 24 hour requirement for a major unless specifically approved by the major department.

Students are required to select and file with the Registrar a choice of major subjects at the beginning of the Junior year.

The requirements for a major in the several departments of instruction are stated immediately preceding the announcement of courses of instruction offered.

b. *Advanced Courses.* Not less than 30 semester hours of the required one hundred and twenty-four shall consist of second or third section courses, numbered 101 and above.

6. A student desiring to omit a required course may take such examination as the department prescribes and on passing satisfactorily, he may be relieved of the curriculum requirement in that subject, and qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should notify the Dean. A fee of $10 for each examination is to be paid at the Bursar's office and the receipt exhibited at the door of Room 24, Building 4, September 25 and 26, at 2 P. M., or, for the second semester, February 5 and 6, at 2 P. M. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

BACHELOR OF ARTS

I. GENERAL

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
English 1–2	6	English 51–52 or 91–92	6
Foreign Language	6	Foreign Language	6
History or Political Science	6	Social Science	6
Mathematics or Natural Science	6	Elective	12
Elective	6	Physical Education	2
Physical Education	2		
Total	32	Total	32

Electives Recommended to Freshmen.

Chemistry 3–4 or 5–6
Botany 1–2.
Foreign Languages.
Geology 1–2 or 21–22.
Mathematics.
History.
Physics 3–4, 7–8 or 9–10.
Political Science 9–10.
Zoology 1–2.

II. COMMERCE

FRESHMAN YEAR	Semester Hours	SOPHOMORE YEAR	Semester Hours
English 1–2	6	Economics 1–2	6
Modern Language	6	*Modern Language	6
European History	6	American History	6
Political Science 9–10	6	Principles of Accounting	6
Elective	6	Elective	6
Physical Education	2	Physical Education	2
Total	32	Total	32

JUNIOR AND SENIOR YEARS	Semester Hours
History of Commerce	3
Economic History of the United States	3
Commercial Geography	6
Money and Banking	3

*Continuation of language started in previous year.

	Semester Hours
Business Organization and Management	6
International Economic Relations	6
Corporation Finance	3
Marketing	3
Commercial and Maritime Law	6
Electives	21
Total	60

Suggested electives for specialization in Domestic Commerce: Principles of Transportation, Public Finance, advanced courses in Accounting, courses in Statistics, History of Economic Thought, Relation of Government to Business. Students should consult the Department of Economics.

Suggested electives for specialization in Foreign Commerce: Foreign Trade, International Finance, Principles of Transportation, Public Finance, History of Economic Thought, Relation of Government to Business, and other courses in Economics; and also courses in History, Political Science, and modern languages. Students should consult the Department of Economics.

III. ACCOUNTING AND BUSINESS ADMINISTRATION

FRESHMAN YEAR	*Semester Hours*	SOPHOMORE YEAR	*Semester Hours*
English 1–2	6	Economics 1–2	6
Modern Language	6	*Modern Language	6
European History	6	American History	6
Political Science 9–10	6	Principles of Accounting	6
Elective	6	Elective	6
Physical Education	2	Physical Education	2
Total	32	Total	32

For students specializing in Accounting:

JUNIOR AND SENIOR YEARS	*Semester Hours*
History of Commerce	3
Economic History of the United States	3
Commercial Geography	6
Money and Banking	3
Corporation Finance	3
Investments	3

*Continuation of language started in previous year.

	Semester Hours
Business Organization and Management	6
Marketing	3
Commercial and Maritime Law	6
Advanced Accounting	6
Cost Accounting	3
Auditing	3
Managerial Accounting	3
Federal Taxation	3
Elective	6
Total	60

For students specializing in Finance:

JUNIOR AND SENIOR YEARS	*Semester Hours*
History of Commerce	3
Economic History of the United States	3
Commercial Geography	6
Money and Banking	3
Corporation Finance	3
Investments	3
Business Organization and Management	6
Marketing	3
Commercial and Maritime Law	6
Public Finance	3
International Finance	3
Federal Taxation	3
Elective	15
Total	60

IV PRE-LEGAL

Combined Course

This course contemplates three years of college study and three years in The Law School. On the completion of 94 semester hours of work in college, at least 24 semester hours of which must be taken in Columbian College, including all of the required subjects in one of the curriculum groups, and of the first year of the regular course in The Law School, the degree of Bachelor of Arts will be conferred.

*FRESHMAN YEAR	*Semester Hours*
English 1–2	6
Political Science 9–10	6

	Semester Hours
[1]Modern Language	6
[2]Biological Science	6
[2]European History	6
Physical Education	2
Total	32

[*]SOPHOMORE YEAR

	Semester Hours
Economics 1–2	6
[2]Physical Science, Mathematics, Statistics or Accounting	6
Psychology	6
[1]Modern Language	6
Political Science	6
Physical Education	2
Total	32

JUNIOR YEAR

	Semester Hours
History	6
Economics	6
Philosophy	6
Electives	12
Total	30

Senior Year. Courses in Law will be credited towards the degree of Bachelor of Arts to the extent of 30 semester hours, completing the total of 124 semester hours required for the Bachelor's degree.

Major. The first year of law will satisfy the major requirement of this group.

Notes:

[1] A student offering four years of a single modern language for admission is not required to take a foreign language. If he offers two or three years in a single modern language he must take one year of the same language. If he offers no modern language he must take two years of a modern language in college.

[2] An elective may be substituted for this course if approved by the Dean.

The following is an arrangement of the Combined Pre-Legal course for students carrying limited schedules:

FIRST YEAR	*Semester Hours*
English 1–2	6
Political Science 9–10	6
[1]Modern Language	6
Physical Education	2
Total	20

SECOND YEAR	*Semester Hours*
[2]Biological Science	6
[2]European History	6
Economics 1–2	6
Physical Education	2
Total	20

THIRD YEAR	*Semester Hours*
[2]Physical Science, Mathematics, Statistics or Accounting	6
Psychology	6
[1]Modern language	6
Total	18

FOURTH YEAR	*Semester Hours*
Political Science	6
History	6
Economics	6
Total	18

Notes:

[1] A student offering four years of a single modern language for admission is not required to take any foreign language. If he offers two or three years of a single modern language he must take one year of the same language. If he offers no modern language he must take two years of a modern language in college.

[2] An elective may be substituted for this course if approved by the Dean.

FIFTH YEAR	*Semester Hours*
Philosophy	6
Elective	6
Elective	6
Total	18

The remainder of the course leading to the degree of Bachelor of Arts will be satisfied by courses in Law to the extent of 30 semester hours, completing the total of 120 semester hours required for the Bachelor's degree.

Major. The first year of Law will satisfy the major requirement of this group.

V. PRE-MEDICAL
Combined Course

This course contemplates three years of college study and four years in The School of Medicine. On the completion of 94 semester hours of credit in college, at least 24 semester hours of which must be taken in Columbian College, including all the required subjects in one of the curriculum groups, preferably Group V, and on the completion of the first year of the regular course in The School of Medicine, the degree of Bachelor of Arts will be conferred. The requirements for entrance to The School of Medicine are satisfied in the work of the first two years, as follows:

FRESHMAN YEAR	*Semester Hours*	SOPHOMORE YEAR	*Semester Hours*
Chemistry 5–6	8	Physics 7–8	8
Zoology 121–122	8	Chemistry 41–42	8
English 1–2	6	†Modern Language	6
Modern Language	6	Electives	8
Elective	2	Physical Education	2
Physical Education	2		
Total	32	Total	32

Junior Year. 30 semester hours including 24 semester hours of electives, and 6 semester hours of Psychology, taken in Columbian College.

Senior Year. Courses in Medicine will be credited toward the degree of Bachelor of Arts to the extent of 30 semester hours, completing the 124 hours required for the Bachelor's degree.

Major. The first year of medicine will satisfy the major requirement in this group. See also the Announcement of the School of Medicine, and the "Special Course for Admission to The School of Medicine," page 100.

VI. PRE-EDUCTION COURSE

This course covers the required college work for entrance to The School of Education.

FIRST YEAR	*Semester Hours*
Botany or Zoology	6
English 1–2	6
Foreign Language	6
History	6
Elective	6
Physical Education	2
Total	32

SECOND YEAR	*Semester Hours*
English 51–52 or 91–92	6
Foreign Language	6
Psychology	6
Social Science	6
Elective	6
Physical Education	2
Total	32

These requirements may be modified in some instances on the basis of the work presented for entrance. A foreign language must be carried through the second college year of the language, or equivalent, while in social science it is required that a survey of the world's history be obtained.

BACHELOR OF SCIENCE

FRESHMAN YEAR	*Semester Hours*
Chemistry 5–6 or Physics 7–8 (note 1)	8
Botany 1–2 or Zoology 1–2	6
English 1–2	6
Foreign Language, History, or Social Science (note 2)	6
Electives (note 3)	6
Physical Education	2
	34

SOPHOMORE YEAR

	Semester Hours
Physics 7–8 or Chemistry 5–6	8
Zoology 1–2 or Botany 1–2	6
History or other Social Science, or Literature	6
Electives	12
Physical Education	2
	34

JUNIOR AND SENIOR YEARS

Geology 11–12 or 21–22 (if not elected earlier)	6
Major Science (note 4) at least	24
Electives	26
	56
Total	124

Notes.

1. *Physics and Chemistry.* Students who do not offer Chemistry or Physics for entrance must take Chemistry 3–4 or Physics 9–10.

2. *Language.* Students who offer for entrance four units of one foreign language are not required to take more languages in college. Students offering but two or three years in a single language for entrance will be required to take one year of regular University work in the same language. Every student must possess a reading knowledge of French or of German and he must file with the Registrar a certificate of that fact given by one of these departments before he may enter upon the studies of his Junior year.

Attention is called to the fact that a reading knowledge of both French and German is necessary for advanced work and study in the Sciences and is required for the Ph.D. degree. The student is therefore strongly advised to secure this training in his undergraduate electives. Examinations in modern languages for the degrees of B. S. and Ph.D. will be given between October 15 and November 15, and April 15 and May 1. Students should consult the executive officers of the Romance Language Department and of the Department of Germanic Languages and Literature.

3. *Electives.* The advice of the major department must be obtained with a view to providing prerequisites and collaterals for the intended major.

4. The work of the Junior and Senior years must be arranged by consultation with the major department and must be approved by that department.

SPECIAL PRE-MEDICAL COURSE

This course covers the required college work for entrance to The School of Medicine.

FIRST YEAR	*Semester Hours*
Chemistry 5–6	8
English 1–2	6
Zoology 121–122	8
Electives (including French or German)	8
Physical Education	2
Total	32

SECOND YEAR	
Physics 7–8	8
Chemistry 41–42	8
Electives other than Natural Science	14
Physical Education	2
Total	32

The Council on Medical Education of the American Association states: "Of the sixty semester hours required as the measurement of two years' work, at least eighteen, including the six semester hours in English, should be in subjects other than the physical, chemical, or biologic science."

The completion of the minimum requirement of two years of college work for admission to The School of Medicine, one or both of which have been taken in The George Washington University, does not obligate the University to admit such student to its Medical School.

See also the announcement of The School of Medicine, and the announcement of the combined course for the A.B. and M.D. degrees on page 124.

Elective	6
Elective	6

HOURS OF INSTRUCTION

Time. There are morning and late afternoon sections in most courses, so that students may take work during the forenoon and early afternoon or in the periods between 5:10 and 7:00 o'clock. By taking the late afternoon and summer classes, and by extending the time of study beyond

the customary four years, a student able to give only part time to college work may complete the full course and obtain a degree.

Courses Offered. The courses of instruction offered will be found listed in alphabetical order beginning on page 212.

REGULATIONS

AMOUNT OF WORK

1. Fifteen units, not including Physical Education, constitute normal work. Students in good standing desiring to take *two, four* or *five* unit courses may be permitted by the Dean to take *sixteen* or *seventeen* units. Freshmen are not permitted to take more than *sixteen* units, in addition to Physical Education, for credit in their first semester.

2. Students on the Honor Roll (see below) may with the permission of the Dean take *eighteen* or *nineteen* units. No student may take more than *nineteen* units except by special permission of the Scholarship Committee of the College.

3. For employed students, working more than twenty-four hours per week, *nine* units, not including Physical Education, is normal work. Employed students in good standing desiring to take *four* unit courses may be permitted by the Dean to take *ten* units. Employed students who have maintained an average of "B" in the preceding semester may be permitted by the Dean to take *twelve* or *thirteen* units.

4. A student shall not register concurrently in Columbian College and in any other school of this or another institution except by the consent of the authorities of both schools. Allowance of credit for work done concurrently shall be at the discretion of the Committee on Advanced Standing.

ABSENCE

1. The student is held responsible to the instructor in charge for all the work of a course in which he is registered and all absences must be excused before provision will be made for him to make up the work missed.

2. With the exceptions noted below, occasional absences, not to exceed in number for each semester the semester hours of credit for the semester, will be automatically excused. (Where a course has distinct divisions, such as lectures, laboratories, recitations, etc., these excuses apply pro-rata to such separate divisions.) In applying this rule, absences adjacent to holiday periods are to be counted double.

3. Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. Students on probation are allowed no automatic excuses, while students on the honor roll are left upon their own responsibility.

4. Excuses for any absence in excess of those automatically excused, as well as for absences from two or more consecutive class periods, and for

absences from examinations which have been announced in advance, can be obtained only by making written application to the Dean of Columbian College.

GRADES

The following grades are given: A (90–100) excellent; B (80–89) good; C (70–79) average; D (60–69) passing; E (below 60) conditioned (not passing); F, failure; Inc., incomplete. A course failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given, unless the work is repeated in class. As soon as possible after the close of the term a report is mailed to each student through the office of the Registrar. Grades are not given out by instructors. No student may repeat for credit a course in which he has received a mark above "E."

SCHOLARSHIP

1. *Superior Scholarship.*

Honor Roll. The names of those who make an average of "A" or "B" in any semester will be placed on an Honor Roll and published. A place on the Honor Roll does not necessarily mean that a student will receive honors upon graduation.

2. *Poor Scholarship.*

a. *Probation.* A student must maintain a total number of quality points within 5 of the total number of hours attempted or he will be placed on probation. A student remains on probation as long as he is more than 5 points behind.

b. *Dismissal.* A student who receives a grade of E or F in two courses in *two successive* semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Commitee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission.

Students dropped twice for poor scholarship will not be readmitted.

c. *Summer Session.* For the purpose of these rules a Summer Session will be considered a semester.

d. *Students with Limited Schedules.* In the case of students with limited schedules these rules will be applied only when the student has undertaken fifteen units or multiples thereof, unless he shall sooner fall under the penalty. That is, his case will be judged when he has undertaken fifteen units, again

when he has undertaken thirty units, always excepting cases which fall under this penalty sooner.

Courses duly dropped or graded "Incomplete" and courses in Physical Education will not be considered in any way in computing standing or eligibility under the scholarship rules.

3. *Scholarship Requirements for Graduation.*
See Requirements for Degrees, page 89.

4. *Eligibility for Student Activities.*

a. A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

b. Before a student may participate in any student activity, or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

c. A student may be declared ineligible to participate in any student activity by the Dean of the College, when in the opinion of the Dean the student's participation in such activity is or would be detrimental to his own best interests or the interests of the University.

CHANGES IN COURSE

1. A student is held responsible for all the work for which he is registered. After the first two weeks of a semester he may not change or drop courses or change his status to that of auditor, except: (a) on the advice of his physician, (b) change in the condition of employment, (c) necessary absence from the city, or (d) withdrawal from the University.

2. Changes in schedule from one section to another of the same course may be made at any time with the consent of the executive officer of the department. See regulations regarding changes and withdrawals on page 77.

CLASSIFICATION OF STUDENTS

Sophomore. A student who has satisfactorily completed thirty-two semester hours of work including eighteen semester hour credits in his curriculum requirements shall be classed as a sophomore.

Junior. A student who has satisfactorily completed sixty-four semester hours of work, including all freshman and sophomore required courses, shall be classed as a junior, and if thirty semester hours of this specification have been completed in The George Washington University, he shall be entitled to a certificate that he has completed his sophomore work.

Senior. A student who has satisfactorily completed the sophomore work together with thirty semester hours in addition, has registered his major

with the Registrar, and taken at least one course in his major, shall be classed as a senior.

COLLEGE CHAPEL

Chapel exercises will be conducted Friday at 12:10 o'clock in Corcoran Hall thoughout the college year.

OTHER INFORMATION AND REGULATIONS

Students in Columbian College are subject to the University regulations as stated beginning on page 51.

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*

CHARLES EDWARD MUNROE, PH.D., LL.D., *Dean Emeritus of The Graduate School of Letters and Sciences.*

GEORGE NEELY HENNING, A.M., LITT.D., *Dean of The Graduate School of Letters and Sciences.*

THE GRADUATE COUNCIL

DEAN GEORGE NEELY HENNING, *Chairman ex-officio.*

PROFESSORS ROBERT RUSS KERN, COLIN MACKENZIE MACKALL and EDWARD HENRY SEHRT, terms expiring in 1930.

PROFESSORS FRANCIS EDGAR JOHNSTON, J. ORIN POWERS and WARREN REED WEST, terms expiring in 1931.

PROFESSORS RAY SMITH BASSLER, ROBERT WHITNEY BOLWELL and LOWELL JOSEPH RAGATZ, terms expiring in 1932.

EMERITUS PROFESSORS

JAMES HOWARD GORE, PH.D., LITT.D., LL.D., *Professor Emeritus of Mathematics.*

CHARLES EDWARD MUNROE, PH.D., LL.D., *Professor Emeritus of Chemistry.*

GEORGE PERKINS MERRILL, PH.D., SC.D., *Professor Emeritus of Geology.*

CHARLES CLINTON SWISHER, LL.B., PH.D., LL.D., *Professor Emeritus of History.*

ACTIVE LIST

HOWARD LINCOLN HODGKINS, PH.D., SC.D., *Professor of Mathematics.*

WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*

PAUL BARTSCH, PH.D., *Professor of Zoology.*

GEORGE NEELY HENNING, A.M., LITT.D., *Professor of Romance Languages.*

CHARLES SIDNEY SMITH, PH.D., *Professor of Classical Languages.*

WILLIAM JACKSON HUMPHREYS, C.E., PH.D., *Professor of Meteorological Physics.*

EDWARD ELLIOTT RICHARDSON, M.D., PH.D., *Elton Professor of Mental and Moral Philosophy.*

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*Arranged, with the exception of the President and Dean, on the basis of collegiate seniority.

Ray Smith Bassler, Ph.D., *Professor of Geology.*
Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology.*
DeWitt Clinton Croissant, Ph.D., *Professor of English.*
Robert Russ Kern, A.B., *Professor of Sociology.*
Truman Michelson, Ph.D., *Professor of Ethnology.*
Charles Edward Hill, Ph.D., *Professor of Political Science.*
John Thomas Erwin, A.M., *Professor of Mathematics.*
Thomas Benjamin Brown, Ph.D., *Professor of Physics.*
Henry Grattan Doyle, A.M., *Professor of Romance Languages.*
Robert Fiske Griggs, Ph.D., *Professor of Botany.*
John Donaldson, Ph.D., *Professor of Political Economy.*
Joseph Hyram Roe, Ph.D., *Professor of Biochemistry.*
George Morton Churchill, Ph.D., *Professor of History.*
Samuel Flagg Bemis, Ph.D., *Professor of History.*
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*
Edward Henry Sehrt, Ph.D., *Professor of German.*
Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*
Walter Lynn Cheney, Ph.D., *Professor of Physics.*
Fred August Moss, Ph.D., M.D., *Professor of Psychology.*
James Henry Taylor, Ph.D., *Professor of Mathematics.*
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*
*Elmer Louis Kayser, A.M., *Associate Professor of History.*
Harold Griffith Sutton, M.S., *Associate Professor of Finance.*
Anna Pearl Cooper, A.M., *Associate Professor of English.*
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*
Dudley Wilson Willard, Ph.D., *Associate Professor of Sociology.*
Audley Lawrence Smith, A.M., *Assistant Professor of English.*
Lowell Joseph Ragatz, Ph.D., *Assistant Professor of History.*
William Stull Holt, Ph.D., *Assistant Professor of Political Science.*
Francis Edgar Johnston, Ph.D., *Assistant Professor of Mathematics.*
Charles Edwin Van Orstrand, M.S., *Lecturer on Mathematical Physics.*
Charles Elmer Resser, Ph.D., *Lecturer in Geography.*
Michael Xavier Sullivan, Ph.D., *Lecturer in Chemistry.*

ADMISSION REQUIREMENTS

CANDIDACY FOR DEGREES

To be admitted to candidacy for a higher degree a student must usually present a Bachelor's degree from an accredited institution. Students from

* On leave 1929–1930.

unaccredited institutions may be admitted, in the discretion of the Graduate Council. Such students shall be required to take such extra work above the minimum requirements for the degree sought as may be prescribed, and shall not be admitted to candidacy for a higher degree unless so recommended by the major department after the completion of at least one semester's work.

The course of study pursued for the Bachelor's degree must have been such as to qualify the candidates for pursuing the subjects chosen for the higher degree sought. A student taking full work for any other degree, here or elsewhere, shall not be admitted to candidacy for a higher degree here.

Candidates for admission to courses for the Master's and Doctor's degrees must make application to the Dean of The Graduate School of Letters and Sciences. Candidates must present certificates of the degrees they hold from institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

STUDENTS IN ATTENDANCE

Properly qualified students may be admitted as *Students in Attendance*, without becoming candidates for degrees.

REGISTRATION

Before registering, a candidate for a degree must secure the written approval of his choice of subjects from his major department and the Dean of The Graduate School of Letters and Sciences.

For the statement of registration procedure see page 57.

FEES

1. University fee for each semester or any part thereof	$6.00
2. Tuition fees:	
*For candidates for the Ph.D. degree, per annum	210.00
For all other students, for each semester hour credit of courses taken	7.00
3. Late registration fee	5.00
4. Change fee	2.00
5. Graduation fee	15.00
6. Reinstatement fee	4.00
7. Laboratory fees, see page 56.	

FINANCIAL REGULATIONS

See page 62.

*Candidates for the Ph.D. degree taking less than full work may have their fees prorated by application to the Dean.

FELLOWSHIPS

Fellowships are available in the Departments of Biology, Chemistry, English, History and Physics. Application should be made to the Registrar of the University. Details regarding qualifications and application will be found on page 63.

SCHOLARSHIPS AND LOAN FUNDS

The following scholarships may be assigned to students in The Graduate School of Letters and Sciences:

Columbian Women Scholarships; Elma Lewis Harvey Scholarship; Mary Lowell Stone Scholarship; Woodhull Scholarship. Application should be made to the Registrar of the University.

For particulars of application and award and information regarding loan funds, see page 64.

DEGREES

The higher degrees conferred, in course, by the University in The Graduate School of Letters and Sciences are Master of Arts (A.M.), and Doctor of Philosophy (PH.D.).

REQUIREMENTS FOR DEGREES

MASTER OF ARTS

ADMISSION TO CANDIDACY

See "Admission" above.

REQUIREMENTS

To attain the degree of Master of Arts candidates must complete successfully 24 semester hours of work, in addition to the thesis, forming a consistent plan of study.

a. Courses may be elected from one, two, or three departments.

b. At least 12 semester hours, plus the thesis, must be in the major subject.

c. At least 12 semester hours must be taken in The Graduate School of Letters and Sciences, irrespective of the amount transferred from college or other institutions.

d. Part of the work for the Master's degree may be taken in The School of Medicine or The Law School, but work so taken cannot be counted both towards the Master's degree and a degree in Medicine or Law. A candidate for the Master's degree may take not more than 12 semester hours in The School of Medicine or The Law School, but the major subject must be taken under a member of the Faculty of a non-professional school.

e. The minimum amount in any one subject (not course) that will be counted toward the Master's degree is six semester hours.

f. A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his course from the beginning that work done for the lower degree may count for the higher.

g. The course of study for the Master's degree must include at least one Third Section course (numbered above 200), which must count at least 6 semester hours unless the major department gives written permission to count less than 6.

ADVANCED STANDING

Advanced work in other institutions of learning may be credited toward the Master's degree in this University, to the extent of not more than 12 semester hours. Work completed here, or elsewhere, more than three years prior to the registration for a higher degree here, will be counted towards such a degree only if the candidate successfully passes an examination on the subject matter of the work offered for credit.

Advanced courses taken in the Senior year of College may be counted to the extent of not over 12 semester hours towards a higher degree, provided that the student shall notify the Dean of The Graduate School of Letters and Sciences at the beginning of each such course of his desire to count it towards a higher degree; but no work counted towards a Bachelor's degree shall be counted towards a higher degree.

RESIDENCE

A candidate for a Master's degree must pass in residence and study at this University at least two semesters, or one semester and one summer term of nine weeks, or three summer terms of nine weeks each or four summer terms of six weeks each. Students who plan to complete their work for the Master's degree in the minimum time, should consult the Dean well in advance of registering. No credit shall be granted for work done in absentia, i.e., without formal instruction here or at some other institution of learning, except for the thesis, which may be completed in absentia with the permission of the department concerned.

No work, whether done here or elsewhere, will be credited towards a Master's degree unless the student attains at least grade "B" or its equivalent in work aggregating at least twelve semester hours and at least grade "C" on the remainder.

THESIS

A candidate for a Master's degree must present a thesis in his major subject. The thesis, which counts six semester hours towards the degree and is charged for at the same rate as courses, must be registered for by the candidate by the beginning of his final year. The choice of the thesis subject must be approved in writing by the professor in charge of the major, and recorded at the Registrar's Office no later than the close of the registration period immediately preceding the term in which the degree is to be conferred. The student is expected to consult the professor in charge frequently in regard to the progress of work on the thesis. The thesis in its final form must have the approval of the professor in order to count towards

the degree. Attention is called to "Regulations Regarding Theses" on page 113.

DOCTOR OF PHILOSOPHY

REQUIREMENTS

The degree of Doctor of Philosophy is conferred only upon students who have acquired a broad and thorough knowledge of their field of learning, as evidenced by courses followed or other formal instruction received, and who have shown marked ability in original research in some particular branch of that field, as proved by the results set forth in their theses. Formal requirements of courses and residence, although essential, are wholly subordinate to the above principle.

ADMISSION TO CANDIDACY

To be admitted to formal candidacy for the degree, the student must make application to the Dean of the Graduate School of Letters and Sciences not less than twelve months after receiving his Bachelor's degree. To be admitted to candidacy, the student must have fulfilled the following requirements not later than thirteen months before the awarding of the degree. A student, however, who brings credit for graduate work from another institution may fulfill them not later than November 1 if he expects to graduate the following June, and not later than May 1 if he expects to graduate the following February: (a) Have satisfied the Departments of French and German that he can read understandingly, in the original, French and German works pertaining to his special field, and have satisfied such other language requirements as his major department shall have prescribed: (Examinations in modern languages for the degree Ph.D. will be given between October 15 and November 15, and April 15 and May 1. Students should consult the executive officers of the Romance Language Department and of the Department of Germanic Languages and Literature); (b) have selected his thesis-subject and received the written approval of the subject by the major department; (c) have passed his preliminary examination before members of his division.

RESIDENCE

Before receiving the degree of Doctor of Philosophy, the candidate shall have spent at least three years, since receiving his baccalaureate degree, in graduate study in recognized institutions of learning. A part-time student shall be required to devote a proportionately longer time, the amount of additional time to be determined by the student's committee. In part satisfaction of residence requirements, the candidate, in addition to his research work, must follow regular courses, to an amount prescribed by his committee. The candidate may be credited with work done at other accredited institutions, but must spend at least his last year at this institution.

SCHOLARSHIP

In courses in which grades are assigned, whether followed here or elsewhere, the student must attain at least grade "B," or its equivalent, and one-half of his work and at least "C," or its equivalent, on the remainder.

CHOICE OF STUDIES

Candidates for the degree of Doctor of Philosophy must in general choose their studies from two departments of one of the divisions enumerated below. With the permission of the Graduate Council, all courses may be in one department, or some in one other division.

DIVISIONS

I. Languages and Literatures:
Classics; English;
Germanic, including Linguistic Science; Romance.

II. History and Social Sciences:
Economics;
History; Law;
Political Science;
Anthropology; Sociology.

III. Philosophy and Art:
Architecture; Art;
Philosophy; Psychology.

IV. Mathematics and Physical Sciences:
Architecture;
Chemistry; Engineering—Civil, Electrical, Mechanical;
Mathematics, including Astronomy;
Physics, including Astro-Physics and Meteorology.

V. Biological Sciences:
Anthropology;
Botany;
Geology and Mineralogy; Medicine; Psychology;
Zoology; Bacteriology.

GUIDANCE OF STUDENTS

In the pursuit of studies the student shall be under the guidance of a committee consisting of the professors of the major department and any other professor under whom he shall take work counting towards his degree. This committee shall have power to determine what work he shall complete, in regular courses or otherwise, to approve his choice of a thesis-subject, to conduct all examinations, and to determine whether he shall be recommended for the degree.

EXAMINATIONS

Before being admitted to candidacy the student (as provided above), shall pass a preliminary examination before his committee and other representative professors of his division. This examination shall be oral, but, in the discretion of his committee, may be supplemented by a written examination. Before being recommended for the degree, he shall pass a written examination, conducted by his committee, not later than one month before Commencement, on the general field of his major subject. If successful in this, he shall be given an oral examination, conducted by members of his division, on his thesis and any subjects bearing on his work, at least three weeks before the awarding of the degree. The questions and answers to the written examination, together with the decision of the examiners, shall be sent to the Dean not later than ten days before Commencement and shall form part of the student's file.

DOCTORAL THESES

Not later than the date specified in the University calendar, the candidate for the degree of Doctor of Philosophy shall submit a typewritten copy of his thesis and also a typewritten summary of not more than 2.500 words of the thesis. The summaries of accepted theses will be printed in a volume forming a number of the University Bulletin.

Students who have received the degree of Doctor of Philosophy are urged to print their theses in full if possible.

Attention is called to "Regulations Regarding Theses," page 113.

GRADUATION

The degree of Doctor of Philosophy will be conferred only in February and in June.

COURSES OF STUDY

Graduate Credit.

a. *Third Section* courses (above 200), are primarily for graduate students and may count toward higher degrees.

b. *Second Section* courses (101–200), may count toward a higher degree only when the candidate secures at the time of registration the written approval of the department concerned and completes the extra work required for graduate credit in such courses.

c. *First Section* courses (1–100), under no circumstances may count toward any higher degree, though a graduate student may be allowed to take them without receiving credit.

Courses offered. The announcement of courses offered will be found beginning on page 212.

REGULATIONS

AMOUNT OF WORK

Students with limited schedules shall not be allowed to take over 18 semester hours in a year (as defined above), or nine semester hours in a semester. No student shall take courses aggregating more than nine semester hours in one summer term, nor more than six if a student with limited schedule.

GRADES

The following grades are given: A (90–100), excellent; B (80–89), good; C (70–79), average; D (below 70), failure; Inc., Incomplete.

The grade "Incomplete" is temporary and if the required work in the course in question is completed within a year of the receipt of this grade, a final grade is given. If the work is not completed within the time specified no credit is given, unless a longer time is allowed by the instructor and approved by the Dean. Except in such instances no grades are changed.

As soon as possible after the close of a term a report is mailed to each student through the office of the Registrar.

CHANGE OF COURSE AND WITHDRAWAL

A student desiring to change or withdraw from any course must secure the permission of the Dean. In case of withdrawal from the School, students should send prompt notice to the Dean of The Graduate School of Letters and Sciences. Notification to a professor of withdrawal from his course does not effect its discontinuance. See also pages 63 and 77.

REGULATIONS REGARDING THESES

All theses for each degree sought must, in their final form, be presented by the student to the Dean by the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, and bound. Paper and binder may be obtained from the University Store Room in Stockton Hall. The title-page must read: (title) by (name of candidate), a thesis submitted to the Faculty of The Graduate School of Letters and Sciences of The George Washington University in part satisfaction of the requirements for the degree of (name of degree). (Date.) The typewritten thesis must be as specified.

The Dean will present theses to the chairman of the committees on the candidates. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies.

In addition see specific regulations regarding Master's and Doctor's theses under requirements for those degrees.

OTHER INFORMATION AND REGULATIONS

Students registered in The Graduate School of Letters and Sciences are governed by the University regulations which are stated on page 51.

THE SCHOOL OF MEDICINE

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
William Cline Borden, M.D., *Dean of The School of Medicine.*
Oscar Benwood Hunter, A.M., M.D., *Assistant Dean of The School of Medicine.*

COMMITTEES

EXECUTIVE COMMITTEE

William Cline Borden, *Chairman*

Oscar Benwood Hunter
Huron Willis Lawson
William Johnston Mallory
Buckner Magill Randolph

ADVISORY COMMITTEE

William Cline Borden, *Chairman*

Leslie Howson French
Oscar Benwood Hunter
George Bain Jenkins
Huron Willis Lawson
Buckner Magill Randolph
Joseph Hyram Roe
George Byron Roth

CLINICAL COMMITTEE

Buckner Magill Randolph, *Chairman*

Cyrus Whitney Culver
Arch L. Riddick
John Alton Reed

EMERITUS PROFESSORS

Daniel Kerfoot Shute, A.M., M.D., *Clinical Professor of Ophthalmology.*
Henry Crecy Yarrow, M.D., *Professor of Dermatology.*
William Kennedy Butler, A.M., M.D., *Professor of Ophthalmology.*
Sterling Ruffin, M.D., *Professor of Medicine.*
Charles Williamson Richardson, M.D., Sc.D., *Professor of Laryngology and Otology.*

ACTIVE LIST

William Alanson White, A.M., M.D., *Professor of Psychiatry.*
Francis Randall Hagner, M.D., *Professor of Urology.*
William Cline Borden, M.D., *Professor of Surgery.*
Buckner Magill Randolph, M.D., *Professor of Clinical Medicine.*

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* Arranged, with the exception of the President, Dean, and Assistant Dean, on the basis of collegiate seniority.

Huron Willis Lawson, M.S., M.D., *Professor of Obstetrics and Gynecology.*
Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology.*
Custis Lee Hall, M.D., *Professor of Orthopedic Surgery.*
Arthur Carlisle Christie, M.D., M.S., *Professor of Roentgenology.*
William Thornwall Davis, M.D., *Professor of Ophthalmology.*
George Bain Jenkins, M.D., *Professor of Anatomy.*
Tomás Cajigas, M.D., M.S., *Professor of Pathology.*
Joseph Hyram Roe, Ph.D., *Professor of Biochemistry.*
Henry Cook Macatee, M.D., *Professor of Therapeutics.*
Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics.*
Harry Hyland Kerr, M.D., C.M., *Professor of Neurological Surgery.*
William Johnston Mallory, A.M., M.D., *Professor of Medicine.*
George Byron Roth, A.B., M.D., *Professor of Pharmacology.*
Charles Augustus Simpson, M.D., *Professor of Dermatology.*
Walter Freeman, A.B., M.D., *Professor of Neurology.*
Leslie Howson French, M.D., *Professor of Physiology.*
Coursen Baxter Conklin, A.M., M.D., *Professor of Physical Diagnosis.*
John Harper, M.D., *Professor of Preventive Medicine and Hygiene.*
Charles Stanley White, M.D., *Professor of Surgery.*
Daniel LeRay Borden, M.D., A.M., *Professor of Surgery.*
John Paul Earnest, Jr., A.B., M.D., *Professor of Medical Jurisprudence.*
Earle Griffith Breeding, M.S., M.D., *Professor of Oto-Laryngology.*
Cline N. Chipman, M.D., *Professor of Anaesthesia.*
William O. Wetmore, M.D., Major, Medical Corps, U. S. A., *Professor of Military Science and Tactics.*
Montgomery Earle Higgins, M.D., *Professor of Tropical Medicine.*
Thomas Allen Groover, M.D., Sc.D., *Associate Professor of Roentgenology.*
James Holmes Defandorf, A.M., *Associate Professor of Pharmacology.*
Oliver John Irish, M.S., *Associate Professor of Biochemistry.*
Harry Alfred Ong, M.D., *Associate Professor of Pediatrics.*
Howard Francis Kane, A.B., M.D., *Associate Professor of Obstetrics.*
Elijah White Titus, Phar.D., M.D., *Associate Professor of Gynecology.*
William Binford King, A.B., M.D., *Associate Professor of Anatomy.*
Roscoe Willis Hall, Ph.B., M.D., *Associate Professor of Psychiatry.*
Robert Joseph Bosworth, A.B., M.D., *Associate Professor of Physiology.*
William Berry Marbury, M.D., *Associate Professor of Surgery.*
Othmar Charles Solnitzky, Ph.D., M.D., *Associate Professor of Anatomy.*
Charles Robert Lee Halley, A.B., M.D., *Associate Professor of Medicine.*
Louis Lathrop Shook, D.V.M., *Assistant Professor of Military Science and Tactics.*
Gideon Brown Miller, B.S., C.E., M.D., *Clinical Professor of Gynecology.*
Thomas Ash Claytor, M.D., *Clinical Professor of Medicine.*
Aurelius Rives Shands, M.D., *Clinical Professor of Orthopedic Surgery.*

James Fernandez Mitchell, A.B., M.D., *Clinical Professor of Surgery.*
Thomas Sim Lee, A.M., M.D., *Clinical Professor of Medicine.*
Joseph Lawn Thompson, A.M., M.D., *Clinical Professor of Medicine.*
William Davis Tewksbury, M.D., *Clinical Professor of Medicine.*
Samuel Carl Henning, M.D., *Clinical Professor of Ophthalmology.*
Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*
Nolan Don Charpentier Lewis, M.D., *Clinical Professor of Psychiatry.*
Thomas Edwin Neill, M.D., *Clinical Professor of Gynecology.*
Richard Lee Silvester, B.S., M.D., *Clinical Professor of Obstetrics.*
Henry Richard Schreiber, M.D., *Clinical Professor of Medicine.*
Charles Wilbur Hyde, M.D., *Clinical Professor of Anaesthesia.*
Henry Walper Kearney, M.D., *Clinical Professor of Anaesthesia.*
Joseph Borrows Bogan, M.D., *Clinical Professor of Anaesthesia.*
Joseph Winthrop Peabody, M.D., *Clinical Professor of Medicine.*
Samuel Kahn, M.D., *Clinical Professor of Neuro-Psychiatry.*
John Morriss Ladd, M.D., *Clinical Professor of Neurology.*
Forrest Martin Harrison, M.D., *Clinical Professor of Neuro-Psychiatry.*
Joseph Duerson Stout, Ph.D., M.D., *Clinical Professor of Neurology.*
Edwin Atkins Merritt, M.D., *Associate in Roentgenology.*
Cyrus Whitney Culver, C.M., M.D., *Associate in Obstetrics.*
Mary O'Malley, M.D., *Associate in Psychiatry.*
Watson William Eldridge, M.D., *Associate in Medicine.*
Preston Alexander McLendon, B.S., M.D., *Associate in Pediatrics.*
Frank Adelbert Hornaday, M.S., M.D., *Associate in Medicine.*
Ralph Stevens Pendexter, LL.B., M.D., *Associate in Ophthalmology.*
Harry Saul Bernton, A.B., M.D., *Associate in Medicine.*
John Hugh Lyons, M.D., M.S., *Associate in Surgery.*
Francis George Speidel, M.D., *Associate in Anaesthesia.*
Guy Whitman Leadbetter, A.B., M.D., *Associate in Surgery.*
Harold Albert Craft, B.S., *Associate in Bio-Chemistry.*
Otto Nellis Warner, M.D., *Associate in Anaesthesia.*
Everett Monroe Ellison, Ph.D., M.D., *Clinical Associate in Medicine.*
Edgar Snowden, M.D., *Clinical Associate in Obstetrics.*
John Edward Lind, M.D., *Clinical Associate in Psychiatry.*
Frederick August Reuter, M.D., *Clinical Associate in Urology.*
Albert Perkins Tibbets, A.B., M.D., *Clinical Associate in Oto-Laryngology.*
John Minor, A.B., M.D., *Clinical Associate in Medicine.*
Leslie Tracy Gager, A.B., M.D., *Clinical Associate in Medicine.*
Simon Rufus Karpeles, M.D., *Clinical Associate in Medicine.*
Edward Lewis, M.D., *Clinical Associate in Pediatrics.*
Herbert Hermann Schoenfeld, M.D., *Clinical Associate in Surgery.*
Louis Bernard Castell, Phar.D., M.S., M.D., *Clinical Associate in Medicine.*
John Alton Reed, M.D., *Clinical Associate in Medicine.*

EDMUND HORGAN, M.S., M.D., F.A.C.S., *Clinical Associate in Surgery.*
WILLIAM H. JENKINS, M.D., *Clinical Associate in Oto-Laryngology..*
HENRY LAURAN DARNER, A.B., M.D., *Clinical Associate in Gynecology.*
FRED ALOYSIUS JOSEPH GEIER, M.D., *Clinical Associate in Medicine.*
LYLE MILLAN MASON, M.D., *Clinical Associate in Urology.*
ARCH LOCKHART RIDDICK, B.S., M.D., *Clinical Associate in Surgery.*
HAROLD WALTER KROGH, D.D.S., *Clinical Associate in Dental Surgery.*
PAUL STIRLING PUTZKI, M.D., *Clinical Associate in Surgery.*
CLAPHAM PRIZE KING, M.D., *Clinical Associate in Medicine.*
HARRIET ELIZABETH TWOMBLY, A.B., M.D., *Clinical Associate in Psychiatry.*
JOSEPH BURTON GLENN, M.D., *Lecturer on Materia Medica and Therapeutics.*
GRAFTON TYLER BROWN, B.S., M.D., *Lecturer on Allergy.*
WILLIAM HITE HOUGH, PHAR.D., M.D., *Lecturer on Syphilology.*
WORTH BAGLEY DANIELS, A.B., M.D., *Instructor in Physical Diagnosis.*
JESSE THOMAS MANN, M.D., *Instructor in Anaesthesia.*
CLIFT PALSGROVE BERGER, A.M., *Instructor in Bacteriology.*
EDWARD BALLARD BROOCKS, M.D., *Instructor in Pediatrics.*
JETER CARROLL BRADLEY, M.D., *Instructor in Anaesthesia.*
JOSEPH KREISELMAN, M.D., *Instructor in Anaesthesia.*
JOSEPH HARRIS, A.B., M.D., *Instructor in Obstetrics.*
EUGENE LYMAN LEMERLE, D.D.S., M.D., *Instructor in Anaesthesia.*
JAMES IRVING BOYD, M.S., M.D., *Instructor in Chemistry.*
HARRY ARNOLD HULL MCNITT, A.M., M.D., *Instructor in Pathology.*
RUTH JACKSON, A.B., *Instructor in Bacteriology.*
VINCENT CLARENCE GOULD, M.D., *Instructor in Anatomy.*
VIRGIL B. JACKSON, M.D., *Clinical Instructor in Gynecology.*
BOYCE RICHARDSON BOLTON, M.D., *Clinical Instructor in Oto-Laryngology.*
WILLIAM BAILEY SIMS, M.D., *Clinical Instructor in Medicine.*
CHARLES BERGER CAMPBELL, PHAR.D., M.D., *Clinical Instructor in Dermatology.*
VIRGIL BLACKSTONE WILLIAMS, M.D., *Clinical Instructor in Medicine.*
JACOB KOTZ, M.D., *Clinical Instructor in Obstetrics.*
FRANK LOUIS WILLIMAN, B.S., M.D., *Clinical Instructor in Medicine.*
HERMAN EUGENE KITTREDGE, M.D., *Clinical Instructor in Dermatology.*
ROBERT MASSIE PAGE, M.D., *Clinical Instructor in Medicine.*
HELEN GLADYS KAIN, B.S., M.D., *Clinical Instructor in Gynecology.*
RICHARD LAURENS DESAUSSURE, M.D., *Clinical Instructor in Oto-Laryngology.*
GEORGE NORDLINGER, A.B., M.D., *Clinical Instructor in Gynecology and Obstetrics.*
JAMES MCNELLEDGE FADELEY, M.D., *Clinical Instructor in Urology.*
MYER JEROME HERSCHMAN, M.D., *Clinical Instructor in Urology.*
WILLIAM DENNIS GOODMAN, M.D., *Clinical Instructor in Urology.*
BENJAMIN NEWHOUSE, M.D., *Clinical Instructor in Urology.*
WINTHROP ALLEN RISK, M.D., *Clinical Instructor in Medicine.*

Hyman David Shapiro, M.D., *Clinical Instructor in Medicine.*
Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*
Charles Otterbein Knott, M.D., *Clinical Instructor in Urology.*
Frederick Oscar Coe, B.S., M.D., *Clinical Instructor in Roentgenology.*
Bernard Lipscomb Jarman, M.D., *Clinical Instructor in Oto-Laryngology.*
Richmond Anthony Carrington Brooks, B.S., M.D., *Clinical Instructor in Oto-Laryngology.*
James Houston Hawfield, M.D., *Clinical Instructor in Surgery.*
Harry Ford Anderson, M.D., *Clinical Instructor in Dermatology*
Herman S. Hoffman, A.B., M.D., *Clinical Instructor in Medicine.*
Henry John Russell McNitt, B.S., M.D., *Clinical Instructor in Obstetrics.*
Andrew Keene Bowie, M.D., *Clinical Instructor in Medicine.*
Edward Jacob Grass, A.B., M.D., *Clinical Instructor in Surgery.*
David Davis, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
Herbert Percy Ramsey, A.B., M.D., *Clinical Instructor in Gynecology.*
William Raymond Thomas, M.D., *Clinical Instructor in Obstetrics.*
Maurice Protas, A.B., M.D., *Clinical Instructor in Medicine.*
Alfred Rives Shands, Jr., A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*
Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*
Laurence Lee Cockerille, M.D., *Clinical Instructor in Obstetrics.*
Ralph John Haws, M.D., *Clinical Instructor in Surgery.*
John Ogle Warfield, Jr., A.M., M.D., *Clinical Instructor in Surgery.*
Don Sweet Knowlton, B.S., M.D., *Clinical Instructor in Oto-Laryngology.*
Bernard Notes, M.D., *Clinical Instructor in Obstetrics.*
Edward Richard Gookin, M.D., *Clinical Instructor in Ophthalmology.*
Julian Meade Ruffin, A.M., M.D., *Clinical Instructor in Physical Diagnosis.*
John Ellsworth Virnstein, B.S., M.D., *Clinical Instructor in Medicine.*
James Melvin Campbell, M.D., *Clinical Instructor in Medicine.*
Archibald Barklie Coulter, M.D., *Clinical Instructor in Medicine.*
Aaron Nimetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
Katharine Godfrey Symmonds, A.B., M.D., *Clinical Instructor in Pediatrics.*
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Norvell Belt, M.D., *Clinical Instructor in Medicine.*
Charles Aurelius Schultz, M.D., *Clinical Instructor in Pediatrics.*
Roger Stahl Cohen, Litt.B., M.D., *Clinical Instructor in Neuro-Psychiatry.*
John Francis Harrington, M.D., *Clinical Instructor in Medicine.*
George Richard Huffman, A.B., M.D., *Clinical Instructor in Medicine.*
Fred August Moss, Ph.D., M.D., *Clinical Instructor in Neuro-Psychiatry.*
Eugene Clarence Rice, Jr., M.D., *Clinical Instructor in Medicine.*
Nicholas Athanasirs Mandelos, M.D., *Clinical Instructor in Medicine.*
William Warren Sager, A.B., M.D., *Clinical Instructor in Surgery.*
Miles Parker Omohundro, M.D., *Clinical Instructor in Urology.*

Daniel Bruce Moffett, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
Alan Jeffries Chenery, M.D., *Clinical Instructor in Urology.*
William Thompson Burch, M.D., *Clinical Instructor in Ophthalmology.*
Joel Adams Tilton, M.D., *Clinical Instructor in Orthopedics.*
Thomas Carlton Thompson, B.S., M.D., *Clinical Instructor in Urology.*
Samuel Arthur DuBov Machlis, M.D., *Clinical Instructor in Ophthalmology.*
Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*
William Preston Haynes, M.D., *Clinical Instructor in Obstetrics.*
James Alexander Smart, M.D., *Clinical Instructor in Oto-Laryngology.*
Charles Louis Billard, M.D., *Clinical Instructor in Ophthalmology.*
George Victor Simpson, M.D., *Clinical Instructor in Ophthalmology.*
Joseph Ernest Mitchell, M.D., *Clinical Instructor in Urology.*
LeRoy Lee Sawyer, Jr., A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
William Glenn Young, M.D., F.A.C.S., *Clinical Instructor in Urology.*
Xavior Charles Suraci, M.D., *Clinical Instructor in Anaesthesia.*
Frank Edward Gantz, M.D., *Clinical Instructor in Gynecology.*
Raphael Manganaro, M.D., *Clinical Instructor in Medicine.*
Richard Knight Thompson, D.D.S., *Clinical Instructor in Dental Surgery.*
Emil Henry Sloan, D.D.S., *Clinical Instructor in Dental Surgery.*
Harry Kaplan, D.D.S., *Clinical Instructor in Dental Surgery.*
Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Gynecology.*
Edward Emanuel Kaplan, M.D., *Clinical Instructor in Roentgenology.*
Frank Marks McChesney, M.D., *Clinical Instructor in Anaesthesia.*
Edward Bailey Macon, M.D., *Clinical Instructor in Anaesthesia.*
Edward Morse Pickford, M.D., *Clinical Instructor in Surgery.*
Howard Lee Smith, M.D., *Clinical Instructor in Surgery.*
George William Creswell, A.B., M.D., *Clinical Instructor in Medicine.*
Don Johnson, LL.B., M.D., *Clinical Instructor in Oto-Laryngology.*

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL AND DISPENSARY

HOSPITAL LIST

CONSULTANTS

Sterling Ruffin, M.D., *Medicine.*
Harry Hampton Donnally, M.D., *Pediatrics.*
William Cline Borden, M.D., *Surgery.*
Harry Hyland Kerr, M.D., *Neuro-Surgery.*

ATTENDING STAFF

GENERAL MEDICINE

Buckner Magill Randolph, M.D.
Frank Adelbert Hornaday, M.D.
William Johnston Mallory, M.D.
John Alton Reed, M.D.
John Paul Earnest, M.D., *Associate*
Leslie Tracy Gager, M.D., *Associate*
Harry Arnold McNitt, M.D., *Associate*
Herman S. Hoffman, M.D., *Associate*
Charles Robert Lee Halley, M.D., *Associate*
Hyman David Shapiro, M.D., *Associate*
Maurice Protas, M.D., *Associate*

GENERAL SURGERY

Charles Stanley White, M.D.
Daniel LeRay Borden, M.D.
Arch Lockhart Riddick, M.D., *Associate*
Paul Sterling Putzki, M.D., *Associate*
William B. Marbury, M.D., *Associate*
Warren W. Sager, *Associate*

UROLOGY

Francis Randall Hagner, M.D.
Frederick August Reuter, M.D.
Homer Gifford Fuller, M.D.
Miles P. Omohundro, M.D., *Associate*
Lyle Millan Mason, M.D., *Associate*
Thomas Thompson, M.D., *Associate*

ORTHOPEDICS

Custis Lee Hall, M.D.
Guy Whitman Leadbetter, M.D.
Alfred Rives Shands, M.D., *Associate*
Joel A. Tilton, M.D., *Associate*

OPHTHALMOLOGY

William Thornwall Davis, M.D.
Ralph Stevens Pendexter, M.D., *Associate*
Edward R. Gookin, M.D., *Associate*
William T. Burch, M.D., *Associate*

OTO-LARYNGOLOGY

EARLE GRIFFITH BREEDING, M.D.
ALBERT PERKINS TIBBETS, M.D.
BOYCE RICHARDSON BOLTON, M.D., *Associate*
DON KNOWLTON, M.D., *Associate*

DERMATOLOGY

C. AUGUSTUS SIMPSON, M.D.
CHARLES B. CAMPBELL, M.D., *Associate*

ANAESTHESIA

CLINE N. CHIPMAN, M.D.
FRANCIS GEORGE SPEIDEL, M.D.
CHARLES WILBUR HYDE, M.D.
OTTO N. WARNER, M.D.

OBSTETRICS

HURON WILLIS LAWSON, M.D.
HOWARD FRANCIS KANE, M.D.
CYRUS WHITNEY CULVER, M.D., *Associate*
WILLIAM RAYMOND THOMAS, M.D., *Associate*
FRED Y. WILLIAMSON, M.D., *Associate*
JOSEPH HARRIS, M.D., *Associate*
LAWRENCE LEE COCKERILLE, M.D., *Associate*

GYNECOLOGY

ELIJAH WHITE TITUS, M.D.
HENRY L. DARNER, M.D.
JACOB KOTZ, M.D., *Associate*
H. J. RUSSELL MCNITT, M.D., *Associate*

PATHOLOGY AND BACTERIOLOGY

OSCAR BENWOOD HUNTER, M.D.
TOMAS CAJIGAS, M.D.

PHYSIOLOGY

LESLIE HOWSON FRENCH, M.D.
ROBERT JOSEPH BOSWORTH, M.D.

CHEMISTRY

JOSEPH HYRAM ROE, PH.D.
OLIVER JOHN IRISH, M.S.

LABORATORY TECHNIC

WILLIAM F. SHERIDAN
MATTIE PINNEY

ADMINISTRATION

JASON D. BYERS, *Superintendent*
FRANCIS EDWARD THUNEY, *Assistant Superintendent*

SCHOOL OF NURSING

ETHEL RUTH SCHOFF, R.N., *Principal*

DISPENSARY LIST

BUCKNER MAGILL RANDOLPH, M.D., *Chief of the Clinic.*
JOHN ALTON REED, A.B., M.D., *Director of the Dispensary.*
HERMAN S. HOFFMAN, A.B., M.D., *Assistant.*

MEDICINE

FRANK A. HORNADAY, M.S., M.D.
EVERETT M. ELLISON, PH.D., M.D.
LESLIE T. GAGER, A.B., M.D.
NICHOLAS A. MANDELOS, M.D.
FRED L. GEIER, M.D.
MAURICE PROTAS, A.B., M.D.
FRANK L. WILLIMAN, B.S., M.D.
NORVELL BELT, M.D.

SURGERY

STEWART M. GRAYSON, M.D.
HARRY ARNOLD H. MCNITT, M.D.
ARCH L. RIDDICK, M.D.
WILLIAM W. SAGER, M.D.

ORTHOPEDIC SURGERY

ALFRED SHANDS, M.D.

UROLOGY

FREDERICK A. REUTER, M.D.
CHARLES O. KNOTT, M.D.
LYLE M. MASON, M.D.

OBSTETRICS AND GYNECOLOGY

CYRUS W. CULVER, C.M., M.D.
GEORGE NORDLINGER, A.B., M.D.
HELEN GLADYS KAIN, B.S., M.D.
HENRY J. R. MCNITT, B.S., M.D.
HERBERT P. RAMSEY, A.B., M.D.
WILLIAM RAYMOND THOMAS, M.D.
ESTHER NATHANSON, M.D.

OPHTHALMOLOGY, OTO-LARYNGOLOGY

ALBERT P. TIBBETS, A.B., M.D. — RICHARD L. DESAUSSURE, M.D.
RALPH S. PENDEXTER, LL.B., M.D. — DAVID DAVIS, A.B., M.D.
S. A. MACHLIS, M.D.

NEURO PSYCHIATRY

HYMAN D. SHAPIRO, M.D. — ROGER S. COHEN, M. D.

ROENTGENOLOGY

ARTHUR C. CHRISTIE, M.S., M.D. — THOMAS A. GROOVER, SC.D., M.D.

DERMATOLOGY

CHARLES B. CAMPBELL, PHAR.D., M.D.

DENTISTRY

HAROLD WALTER KROGH, D.D.S. — HARRY KAPLAN, D.D.S.
EMIL H. SLOAN, D.D.S. — RICHARD K. THOMPSON, D.D.S.

MEDICAL BUILDING

ANNA ELIZABETH SELLNER, *Secretary*
OSCAR BENWOOD HUNTER, A.M., M.D., *Curator of the Museum*
WILLIAM FRANKLIN SHERIDAN, *Assistant Curator*
WILLIAM BINFORD KING, A.B., M.D., *Librarian*
KATHERINE BREEN, *Assistant Librarian*
FRANCIS EDWARD THUNEY, *Superintendent*

INTRODUCTORY STATEMENT

HISTORICAL STATEMENT

The first course of lectures in The School of Medicine of The George Washington University began in March, 1825, which makes it the eleventh Medical School established in the United States. The School was first known as the National Medical College and subsequently as the Department of Medicine of the Columbian University. In 1904 the Columbian University became The George Washington University.

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the organization of The School of Medicine.

EDUCATIONAL POSITION

The School of Medicine of the University is a member of the Association of American Medical Colleges, and is one of the medical colleges which has been designated continuously as "Class A" by the American Medical Association. The degrees of The School of Medicine are recognized by all state examining boards. It is one of the medical schools selected by the Secretary of War to maintain a Reserve Officers' Training Corps Unit, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

COURSES OFFERED

1. Four-year course leading to the degree of Doctor of Medicine (M.D.).
2. Combined seven-year course leading to the degrees of Bachelor of Arts (A.B.) and Doctor of Medicine (M.D.).

COMBINED SEVEN-YEAR COURSE

Registration. Candidates register in Columbian College for Pre-Medical Course.

Admission. Applicants must meet pre-medical college requirements outlined on page 128.

Course of Study. Candidates must complete at least ninety semester hours of prescribed college work, not including Physical Education (at least twenty-four semester hours and one year of residence must be completed in Columbian College) and the first year of the medical course. On satisfactory completion of the work outlined above the student will be recommended for the degree of Bachelor of Arts. Upon completion of the fourth year in the medical course the student becomes eligible for the degree of Doctor of Medicine. For further information regarding courses in Columbian College, see page 83.

THE DEGREE

The degree of Doctor of Medicine given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate hospital work in those states which require hospital internship, will admit a graduate to all state examinations.

LOCATION AND ITS ADVANTAGES

Buildings. The buildings which house The School of Medicine, the University Hospital and the University Dispensary are situated in the heart of the city. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy and clinical chemistry afforded by the Hospital and Dispensary are directly used in the School laboratories.

The city of Washington with more than a half million inhabitants, provides abundant clinical material to the hospitals, which have an aggregate of over six thousand beds. In these hospitals, as well as in the University Hospital, clinical instruction is given by members of the faculty.

The Library of the Surgeon General's office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library as well as The Library of Congress, The Public Library, and the many excellent libraries of the various Government offices are open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met with in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequalled by any other museum in this country. The Museum of Hygiene, The National Museum, The Smithsonian Institution, The Botanic Gardens and The Department of Agriculture, all afford opportunities for study in medicine and its collateral sciences.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its mild climate, its beauty, and as it is the seat of the National Government, its broad interests, make it an ideal place for a medical student to pass his four years of study.

EQUIPMENT

Medical School Building. The building housing The School of Medicine is a modern, five-story structure with lecture and class rooms, laboratories, and students' rooms, equipped with modern improvements.

Laboratories. The major laboratories are five in number—for anatomy, bio-chemistry and clinical chemistry, histology and embryology, physiology and pharmacology, and bacteriology and pathology. They are fully equipped to enable students to pursue adequately the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

Medical Library. The Library is open for study and reading from 9 a. m. to 4 p. m. A librarian is in charge. It contains a selected working collection of 2,500 volumes, and provision is made to add to it the important new medical works. The standard medical periodicals are regularly received.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers.

CLINICAL FACILITIES

The University Hospital and the University Dispensary: The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of The School of Medicine, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The faculty believes that clinical teaching should be as thoroughly systematized as is the teaching in the laboratories. To this end, all clinics are under the supervision of a Director of Clinics. This secures the highest possible utilization of available clinical material for teaching purposes, a proper supervision of clinicians and students, brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary to diagnosis and treatment, to properly interpret the conditions occurring during the progress of cases, and to write up records correctly.

Clinical and clinico-pathological conferences are held in which the history of cases, the physical, the laboratory and the post-mortem pathology when available, are presented and correlated. The Director assigns the patients to the different clinics, supervises the records and the attendance and instruction of students. Students are assigned in rotation by sections from the third year class for clinical instruction in the Dispensary. The staff is composed of members of the Faculty of Medicine.

Gallinger Municipal Hospital (Municipal Hospital of the District of Columbia): Clinical instruction is open in all branches of medicine.

A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District, whereby one-half the patients—upwards of 1,000 in number—are assigned for treatment and clinical teaching to members of the faculty of this School, nominated by this University.

Casualty Hospital: Instruction in emergency surgery and orthopedics.

Children's Hospital: Clinical instruction in pediatrics and general and orthopedic surgery.

Columbia Hospital for Women: Clinical instruction in obstetrics and gynecology.

Emergency Hospital and Central Dispensary: Clinical instruction in medicine, surgery, particularly in emergency surgery, fractures and dislocations, dermatology and orthopedics.

Garfield Memorial Hospital: Clinical instruction in medicine, including contagious diseases, surgery, gynecology and obstetrics.

Providence Hospital: Clinical instruction in medicine and surgery.

St. Elizabeth's Hospital: This hospital, with 4,000 beds, is maintained by the United States Government.

Clinical instruction in mental and nervous diseases, medicine, surgery, in post-mortem work and gross pathology.

The psychiatric clinic is one of the largest in the country.

The Episcopal Eye, Ear, Nose, and Throat Hospital: Clinical instruction in ophthalmology, otology, laryngology and rhinology.

Tuberculosis Hospital: Clinical instruction in tuberculosis, in all its phases, both medical and surgical.

Washington Asylum Hospital: Clinical instruction in medicine, particularly in chronic conditions.

MEDICAL UNIT—RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the Unit.

The object of the Reserve Officers' Training Corps is to give to students special training which will fit them to become, upon graduation, officers in the Medical Section of the Reserve Corps of the Army if they so desire. The work of this Department is both military and professional and a great portion of it will be found applicable to civil practice, so that a graduate who never elects active duty, will find value in the time given to the subjects covered.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced. The basic course is given in the first and second years, and the advanced course in the third and fourth years. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately $200.00, they are obligated to complete the course and to attend one summer camp of instruc-

tion for six weeks for which the students will receive travel allowances, pay at the rate of $21.00 per month and will be provided with all camp equipment, uniforms and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are given preference in appointment for internship in Army General Hospitals where they receive pay and allowance of a First Lieutenant of the Medical Corps.

ADMISSION REQUIREMENTS

LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the states, and candidates are advised that if they meet the pre-medical and other requirements of this school they will be able to comply with the legal demands of all State Examining Boards in the United States.

MORAL REQUIREMENTS

All candidates must be of good moral character, and present evidence that their college work has been of such standard as to give promise of work of high quality in the medical course.

EDUCATIONAL REQUIREMENTS

The minimum requirements for admission are 15 units of work from an accredited secondary school, and two years of college work, totaling at least 60 semester hours, from an accredited college of arts and sciences.

SECONDARY SCHOOL REQUIREMENTS

Of the 15 secondary school units* required, 3 must be in English, 2† in foreign language (ancient or modern), 1 in algebra, 1 in geometry, 1 in history, 1 in science (botany, chemistry, physics or zoology).

a. Eleven of the units offered must be in English, foreign language, mathematics, sciences and history.

b. No candidate will be accepted with any condition in secondary school work.

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* A unit is the credit value of at least 36 weeks' work of 4 or 5 recitation periods per week each period to be not less than 45 minutes.

† Both of the required units of foreign language must be of the same language. Elementary Latin is desirable.

PRE-MEDICAL COLLEGE REQUIREMENTS

A. *Chemistry:* 12 semester hours‡ as follows:
   (a) 8 semester hours of general inorganic chemistry, of which at least 4 semester hours are laboratory work. Qualitative analysis may be counted as general inorganic chemistry.
   (b) 4 semester hours of organic chemistry, of which 2 semester hours are laboratory work.

B. *Physics:* 8 semester hours, of which at least 2 semester hours are laboratory work. It is recommended that this course be preceded by one in trigonometry.

C. *Biology:* 8 semester hours, of which at least 4 semester hours are laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by a course of 4 semester hours each in zoology and botany, but not by botany alone.

D. *English Composition and Literature:* 6 semester hours. The usual introductory college course, or its equivalent. The student should develop facility in English expression.

E. *Modern Foreign Language:* A reading knowledge, preferably of French or German.

F. *Electives:* It is recommended that the remaining semester hours required include:
   (a) comparative vertebrate anatomy.
   (b) qualitative and quantitative chemistry.
   (c) social science and psychology.

Conditions: No student will be accepted with any condition in college work.

ADVANCED STANDING

Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an arts course in other accredited colleges or universities may be admitted to advanced standing in any of the pre-medical courses offered by the University upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

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‡ A semester hour is one hour of lecture or recitation, or at least 2 hours of laboratory work per week for one half-year or 16 weeks. If laboratory periods are longer than 2 hours in length their value in semester hours will be no more than that assigned by the college where the work is taken.

APPLICATION FOR ADMISSION

FOUR YEAR MEDICAL COURSE

1. While no standard form for the statement of pre-medical credentials is required, certificates submitted must give complete information as to the number of didactic and laboratory hours taken in each subject, the year in which the subject was pursued, and the grade received in each. Forms for secondary school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them direct to the Dean, The School of Medicine, The George Washington University, 1335 H Street N.W., Washington, D. C.

Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

Each form must cover only work done at the school or college which fills out the form.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year exceeds its capacity, those who wish to insure admission are urged to secure from the schools and colleges attended completely compiled pre-medical credentials and forward them for evaluation as long a time as possible before the opening of The School of Medicine in September.

FEES

The following fees are prescribed by statute:

1. University Fee, each semester or any part thereof	$6.00
2. Tuition:	
For students entering in September, 1928 and 1929, per annum	400.00
For students entering prior to September, 1928, per annum	366.00
3. Material Fee, 1st, 2d, and 3d years, per annum	10.00
4. Breakage Deposit, unused part returnable, per annum	10.00
5. Graduation Fee	15.00
6. Examination Fees:	
Special examination due to absence from regular examination, for each subject	10.00
September, pre-session examinations, for each subject	5.00

PAYMENT

All fees are payable at the office of the Assistant to the Comptroller at The Medical Building, 1335 H Street, N.W.

On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified applicants who remit the University Fee, the Material and Breakage deposits, and two months' tuition—a total of $126.00. Should unusual cir-

cumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of $25.00 for registration, transfer, etc., will be returned up to one month before the opening of the session, or thereafter, provided the place can be filled.

After the initial payment for two months to secure registration in the freshman class, tuition may be paid in monthly installments in advance.

Fees due at registration must be paid within three days after the opening of the session.

There is no charge for the use of microscopes, but students will be required to pay for injury to apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Students who are allowed to take the four year course in five years will be required to pay full tuition for each of the five years.

LOANS AND SCHOLARSHIPS

The following loans and scholarships are available to students in The School of Medicine:

Loans. Daughters of the American Revolution Loan Fund, Harmon Foundation Loan Fund, Henry Strong Educational Foundation Loan Fund, University Student Loan Fund.

Scholarship. The John Hitz Metzerott Scholarship.

For further particulars of application and award see page 64.

PRIZES

The following prizes are awarded at Commencement to members of the graduating class:

The Ordronaux Endowment Prize of $100.00 is awarded to the member of the graduating class who has the highest scholastic standing. Awarded in 1927 to Edith M. Petrie.

A prize by the Surgeon General of the Army to the student of the Reserve Officers' Training Corps who has maintained the highest standing in the Unit for the entire four years.

TEXTBOOKS

The minimum cost of textbooks and student equipment (glass slides, clinical thermometers, stethoscope, hemocytometer, etc.) that are necessary for each student is approximately as follows:

First year	$50.00
Second year	87.00
Third year	45.00
Fourth year	30.00
Total	$212.00

HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this school in the following hospitals of the District: Casualty Hospital, Children's Hospital, Columbia Hospital for Women, Emergency Hospital, Episcopal Eye, Ear and Throat Hospital, Garfield Memorial Hospital, Providence Hospital, Saint Elizabeth's Hospital, Sibley Hospital, Tuberculosis Hospital, and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia, should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the Journal of the American Medical Association and a copy of the list may be consulted in the office of the Dean.

BOARD OF MEDICAL EXAMINERS OF THE DISTRICT OF COLUMBIA

Graduates who wish to take the examination of the Board of Medical Examiners of the District of Columbia or desire to use the District license for reciprocity with other states, should apply to the Secretary of the District Medical Examining Board, 1801 I Street N.W., for information.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical School Society was established in 1905. All alumni and members of the faculty are eligible for membership on election.

Meetings of the Society are held in the Medical Building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this Society, that they may have the opportunity of hearing the medical papers presented, and become familiar with medical society procedures.

REGULATIONS

REGISTRATION AND ADMISSION TO CLASSES

Registration in The School of Medicine is for a period of one year at a time. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever in the interest of the student or the School the Advisory Committee deems it advisable to do so.

Time. All matriculations and registrations must be completed within three days after the opening of the session.

Admission to Classes. Freshman students are admitted to classes on presentation of the matriculation ticket issued when all required fees have been paid. Second, third and fourth year students are admitted on presentation of their receipt for the payment of fees.

ABSENCE

Absence consists in being away from a class during the period, entering after class work has begun, or leaving before it is dismissed.

No absences are allowed except by permission. Excuse for absence is made either in person or in writing to the Dean. In case of illness, a physician's certificate is required.

EXAMINATIONS

Examinations may be written, oral or practical and may be held at the completion of each course or at the end of the academic year.

Absence from Examinations. A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination except by special permission of the Advisory Committee. For special examinations a fee of ten dollars will be charged for each subject.

GRADES

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Advisory Committee of the Faculty.

Failure. A student who has failed in any subject will not be advanced unless his case is especially meritorious and then only by the authority of the Advisory Committee. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September pre-term examinations.

A student allowed to repeat a year or take the September examinations will be required to take such examinations and do work in such subjects as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

A student who fails of graduation may, if approved by the Advisory Committee, be reexamined for graduation in the September examinations.

CHANGES AND WITHDRAWALS

Changes in Courses. No change and no withdrawal from a course is allowed except upon authority of the Advisory Committee.

Withdrawal. For withdrawal written request must be approved by the Dean and no permission to withdraw, and no certificate of work done, will be given a student who does not have a clear financial record.

GRADUATION REQUIREMENTS

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and be free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student, completed all required courses and passed all prescribed examinations.

With Distinction. Candidates who have attained an average of ninety per cent or more in their work and examinations may be recommended for graduation "with distinction."

LIMITATION OF REGULATIONS

Reservation of Right to Change Rules. The Faculty reserves the right to modify or change requirements, courses, rules and fees in The School of Medicine.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments:

(1) Anatomy, including embryology and histology.
(2) Bacteriology and Pathology, including clinical microscopy, preventive medicine and hygiene.
(3) Biochemistry, including clinical chemistry.
(4) Medicine, including allergy, dermatology, neurology, pediatrics, tropical medicine, physical diagnosis, psychiatry, medical jurisprudence, history and syphilis.
(5) Obstetrics and Gynecology.
(6) Pharmacology.
(7) Physiology.
(8) Surgery, including urology, laryngology, military surgery, opthalmology, orthopedics, otology, and roentgenology.
(9) Military Science and Tactics.

Clinics. Courses of clinical instruction are included in the announcements of the Departments of Medicine, Surgery and Obstetrics and Gynecology. The Chief of Clinics prepares schedules of clinics and student section assignments to the various hospitals and dispensaries. Under the guidance of specialists each student administers anesthetics, assists at operations and confinements and studies the care and treatment of cases admitted to the medical wards.

THE PLAN OF INSTRUCTION

Each year of the medical course is divided into the fall (12 weeks), winter (10 weeks), and spring (11 weeks) trimesters. The course for the degree of M.D. must begin with the fall trimester. Admission requirements are given elsewhere but students must have constantly before them the necessity of thorough preparation as a basis for medical instruction.

The different branches of medical instruction are arranged in a specific order. There is a coordination in the work of the several departments that enables the student to concentrate his attention upon the subject material so as to give him not only a single subject, but also the allied subjects in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, clinical teaching, with recitations and lectures to clarify the many problems presented. Under such a system of instruction there can be no sharp discrimination in teaching of laboratory and clinical courses. The clinical material in the University Hospital and Dispensary is utilized to the fullest extent both for clinical instruction and laboratory work. Additional clinics are given in other hospitals in the city to which members of the Faculty of The School of Medicine are attached. The one policy of the School is to give a comprehensive, well-grounded, well-proportioned course that will adequately instruct students in the fundamentals of medicine.

FIRST YEAR

During the first year the time of the students is devoted to anatomy, histology and embryology (which is carried on by demonstrations to sections and by work in the dissecting room), physiology and chemistry. The work in general anatomy is designed to cover the entire subject in such a manner as to afford the student a practical working basis for the later studies in medicine and is so correlated and taught as to emphasize the value of relation and function as well as that of structure. Instruction in physiology begins in the first year and is continued throughout the first trimester of the second year. Physiology is presented as far as practicable

as an exact science although the clinical aspects of the subject are almost constantly in the foreground. Physical and physiological chemistry are taught by lectures, demonstrations, recitations and practical work in the laboratory. The work in physical chemistry is completed in the first year. Instruction is given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession of medicine.

SECOND YEAR

During the second year the work in anatomy, physiology, pathology, bacteriology, immunology and pharmacology is completed. Courses in clinical chemistry, preventive medicine and hygiene are given. The work in bacteriology and immunology is taught by lectures, laboratory work and conferences. Emphasis is laid upon those parts of the subject matter which are directly pertinent to the pathology of infectious diseases, the diagnosis of these diseases and their treatment. The medical problems of bacteriology are illustrated by means of materials obtained from the hospitals. Immunological and serological technique are presented to the student by means of group instruction. The preventive aspects of the physician's work in relation to infectious disease are considered.

THIRD YEAR

During the third year there are lectures and conferences in medicine, surgery, obstetrics, gynecology, pediatrics, therapeutics, clinical microscopy, roentgenology and medical jurisprudence. There are clincial lectures, demonstrations, diagnostic clinics, operative clinics and follow-up clinics in medicine, surgery, urology, obstetrics, gynecology, neurology, psychiatry, pediatrics, ophthalmology, dermatology, syphilology, laryngology, otology, and orthopedic surgery. The class is organized for instruction in physical and medical diagnosis and for practical work in the dispensaries and hospitals. There is special drill in history taking and the practical technique of physical diagnosis.

FOURTH YEAR

During the fourth year the class is divided into small sections and required to attend ward clinics in The University Hospital, Gallinger Municipal Hospital, The Garfield Memorial Hospital, The Children's Hospital, Providence Hospital, St. Elizabeth's Hospiital, The Tuberculosis Hospital. Few lectures are given. The work is almost entirely practical and bedside instruction. In the diagnostic clinics the students have the opportunity of applying the various methods of precision, the princples of which they have already studied, and are expected to become familiar with case history; make diagnoses; give prognoses; advise treatments and watch the

progress of cases. A course is given in Medical History and General and Medical Ethics.

COURSES OF INSTRUCTION

The courses of study will be found listed in alphabetical order beginning on page 212.

OTHER GENERAL INFORMATION AND REGULATIONS

Students in The School of Medicine are subject to the general University regulations as stated beginning on page 51.

For catalogues, application blanks and further information, address:

The Dean,
The School of Medicine,
The George Washington University,
1335 H Street N.W., Washington, D. C.

SCHEDULE OF DEPARTMENTS, COURSES AND ALLOTED HOURS[1]

DEPARTMENTS AND COURSES	HOURS												
	Week-hours per Trimester			1st Year		2nd Year		3rd Year		4th Year		Total Course Hours	Total Dept. Hours
	1st (12)	2nd (10)	3rd (11)	D	L	D	L	D	L	D	L		
ANATOMY													860
Histology	9	9		30	168							198	
Embryology			9	30	60							90	
Gross	15	15	15	60	420							480	
Neural	6					12	60					72	
Applied		2				20						20	
BACTERIOLOGY AND PATHOLOGY													599
Bacteriology	12					32	112					144	
Pathology		12	19			64	256					320	
Autopsies [3]							72					72	
Prevent. Med. and Hygiene		3	3			12	51					63	
BIOCHEMISTRY	8	8		80	96							176	176
MEDICINE													1121
Clinical Chemistry		3	3			21	42					63	
Clinical Microscopy	3	3 (24 weeks)						24	48			72	
Clin Path. Confer	1	1	1								30	30	
Clinical Physiology	2 (Sections: 6 weeks)										12	12	
Dermatology [3]	1	(16 weeks)						16				16	
Ethics	(16 weeks)		1							16		16	
General Medicine [3]	3	3	3					99				99	
Medical Clinics									180		345	525	
Medical Jurisprudence	1							12				12	
Neurology [3]	1	1	1							30		30	
Pediatrics [3]	2							24				24	
Physical Diagnosis	4	4	4					24	108			132	
Psychiatry [3]	(12 weeks)	1								12		12	
Therapeutics	2	2	2					66				66	
Tropical Medicine	1							12				12	

OBSTETRICS AND GYNECOLOGY														
Obstetrics														251
Lectures	1 and 2	1 and 2	1 and 2											
Lab. Demonstrations	2 (s	ections. 4	weeks)						66		30		96	
Clinics	2 (sec	tions. 6	weeks)							8			8	
Gynecology												12	12	
Lectures	1	1	2							8		50	58	
Clinics									45					
PHARMACOLOGY	5	9	2									32	45	
PHYSIOLOGY	3 and 12	3	5	121		76	96						32	
SURGERY						24	120						172	172
Anesthesia [2]	1												265	265
General Surgery [2]	2 and 2	2 and 2	2 and 2						12					550
Minor Surgery		2	2						66		60		12	
Neuro-surgery [2]	(14 wee	ks) 1							21				126	
Ophthalmology [2]	1 (16	weeks)									14		21	
Orthopedics [2]	1	1	1								16		14	
Oto-laryngology [2]	1 (16	weeks)									30		16	
Roentgenology [2]		1	1								16		30	
Surgical Clinics									21				16	
Urology and Syphilis [2]	1	1	1							72		192	21	
MILITARY SCIENCE AND TACTICS (Elective) [4]											30		264	
1 hour weekly throughout each school year				321	744	261	809	508	424	254	673		30	
Totals				1065		1070		932		927		3994	3994	

[1] School year is divided into three terms:
First Trimester (12 weeks)
Second Trimester (10 weeks)
Third Trimester (11 weeks) (senior year 8 weeks)

[2] Clinical hours included in hour schedule of "Medical Clinics"

[3] Clinical hours included in hour schedule of "Surgical Clinics"

[4] Hours *not* included in Medical Course total

[5] Autopsy instruction is given for the most part during the 2nd and 3rd trimesters of second year; third, and fourth year students attend as many autopsies as their schedules permit.

THE SCHOOL OF NURSING

OFFICERS

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*

WILLIAM CLINE BORDEN, M.D., *Dean of The School of Medicine and Chairman, Executive Committee of the University Hospital.*

ETHEL RUTH SCHOFF, *Professor of Nursing Education, Principal of The School of Nursing.*

INTRODUCTORY STATEMENT

HOSPITAL

The George Washington University Hospital is a general hospital with 110 bed capacity, non-sectarian, for white patients only. It is located at 1337 H Street N. W., in the central part of the city. Connected with the Hospital is a Dispensary having a large out-patient service, so that the institution affords a thorough and practical experience in medical, surgical, gynecological, obstetrical and emergency nursing and the administrative work incident to a hospital.

The Hospital Staff are all members of the Faculty of Medicine of the University School of Medicine, and the nurses receive the benefit arising from instruction, and the nursing of cases, under these trained teachers.

ADVANTAGES

Nurses in training in this institution have advantages incident to University association. The class-room and laboratory equipment of the University School of Medicine which adjoins the Hospital, are used by the student nurses for class work.

NURSES' HOME

The Nurses' Home, Parkside Hotel, 1336 I Street N.W., with a resident matron, is located a short distance from the Hospital.

BOARD OF LADY MANAGERS

The Hospital and the School of Nursing are materially assisted by an efficient Board of Lady Managers whose personal interest and financial assistance do much to improve these institutions.

COURSE FOR CERTIFICATION

A three year course leading to a Diploma in Nursing is offered. Approved applicants will be received on probation for a period of four months, at the end of which time those who appear to be fitted for the Nursing profession will be accepted as pupil nurses. The remainder of the three year course is devoted to didactic and laboratory instruction and to fundamental profes-

sional training in the University Hospital. Special courses in Pediatric Nursing, Eye, Ear, Nose, and Throat Nursing and Mental Nursing are included in the third year.

ADMISSION REQUIREMENTS

1. Candidates for admission must present certificates of graduation from accredited high schools or other preparatory schools or certificates of advanced standing showing credit for work certified to by an accredited college previously attended.

2. Applicants must be over eighteen years and under thirty-five years of age, and must submit evidence of being physically sound and of good moral character.

Blank certificates will be furnished upon application to the Principal of The School of Nursing.

REGISTRATION

Students entering the course will register with the Principal of the School of Nursing.

REQUIREMENTS FOR GRADUATION

Candidates for the Diploma in Nursing must be not less than twenty-one years of age, of good moral character, have satisfactorily completed all required work and have passed all examinations.

COURSE LEADING TO THE DIPLOMA IN NURSING

FIRST YEAR

	Hours	*Units*
Anatomy and Physiology	120	5
Bacteriology	45	2
General and Applied Chemistry	45	2
Personal Hygiene	15	1
Elementary Materia Medica	15	1
Principles and Practice of Nursing	120	5
History and Ethics of Nursing	30	2
Elements of Pathology	15	1
Dietetics	60	3
Materia Medica and Therapeutics	30	2
Psychology	15	1
Case Study	15	1
	26	26

SECOND YEAR

	Hours	*Units*	
Nursing in General Medical Diseases	30	2	
Nursing in Medical Specialties; Communicable Diseases and Skin	30	2	
Nursing in General Surgical Diseases	30	2	
Nursing in General Surgical Specialties: Orthopedics, Gynecology, Orology, and Operating Room Technique	30	2	
Pediatric Nursing and Infant Feeding	30	2	
Modern Social and Health Movements	30	2	
		12	12

THIRD YEAR

	Hours	*Units*	
Obstetrical Nursing	30	2	
Psychiatric Nursing	30	2	
Nursing in Eye, Ear, Nose and Throat	15	1	
Emergency Nursing and First Aid	15	1	
Survey of the Nursing Fields	15	1	
Professional Problems	15	—	
		7	7
Total			45 *units*

COURSES OF INSTRUCTION

For a description of the courses of instruction offered see the special announcement of The School of Nursing.

FEES AND REMUNERATION

During the Probationary period no monetary remuneration is allowed. From the date of acceptance as a Pupil Nurse a remuneration of twelve dollars a month is allowed during the course of training.

INFORMATION AND REGULATIONS

RESIDENCE

While engaged in hospital training all students are required to live in The Nurses' Home where no charge is made for room, board and laundry. All baggage must be sent to The Nurses' Home.

EQUIPMENT AND UNIFORMS

All students when admitted to The School of Nursing must provide themselves with a complete uniform outfit, as prescribed by the Principal of the School.

Probationers are required to bring with them two laundry bags, one pair of rubbers, two pairs of black oxford shoes with military rubber heels, black hose, one kimona, one napkin ring marked with name, one watch with second hand (Ingersoll Midget or equivalent is recommended). All articles of clothing must be plainly marked with name in full with indelible ink. All student nurses having bobbed hair will furnish nets and wear them while in uniform.

When probationers are accepted as pupil nurses, scissors, hypodermic syringe, necessary text-books, bibs, and the School cape will be supplied them and charged for at cost price. The School cape will not be taken from the School unless the nurse graduates.

Jewelry is not worn on duty, and if of any value had better be left at home. If brought to The Nurses' Home it will be at the owner's risk.

ATTENDANCE

Absence from duty on account of severe illness in the hospital or certified to by the University Physician in excess of three weeks during the course must be made up. When a student nurse is absent for any cause exceeding six weeks she will forfeit her position in the School but may enter the succeeding class, if approved by the Executive Committee. No payment will be made for time lost by illness.

Two hours are allowed week days for rest, study and recreation; also one-half day (after 1 p. m.), each week and one-half day on Sunday.

Student nurses will be allowed a vacation of two weeks for each year of training, including the probationary period.

MEDICAL ATTENTION

In case of illness all students in The School of Nursing will receive medical attention and care in the Hospital when necessary.

CONDUCT AND RECORD OF STUDENTS

Pupil nurses may be dropped at any time for inefficiency, misconduct, unsatisfactory record, or whenever in the interest of the student nurse or the School the Executive Committee of The School of Nursing deems it advisable to do so.

STUDENT ADVISORY COUNCIL OF THE SCHOOL OF NURSING

An advisory council consisting of three pupil nurses is established in the School.

The purpose of this council is to develop a closer cooperation between the nurses' student body, the faculty of the School and the administrative authorities of the Hospital; to aid in the enforcement of discipline and to secure strict conformity to the rules of the School; to devise ways and means for social activities; and to encourage higher ideals.

OTHER REGULATIONS

Students in The School of Nursing are students in The George Washington University and as such may be subject to the University regulations as stated beginning on page 51 of the University Catalogue.

For further information apply to:

The Principal of The School of Nursing,
The George Washington University Hospital,
1337 H Street N.W., Washington, D. C.

THE LAW SCHOOL

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., *Dean of The Law School.*

COMMITTEES

THE EXECUTIVE COMMITTEE

WILLIAM CABELL VAN VLECK, *Chairman ex-officio.*

EARL CASPAR ARNOLD
CARVILLE DICKINSON BENSON
CHARLES SAGER COLLIER
WILLIAM THOMAS FRYER
WILLIAM ARMSTRONG HUNTER
WALTER LEWIS MOLL
SAUL CHESTERFIELD OPPENHEIM
HECTOR GALLOWAY SPAULDING

LIBRARY COMMITTEE

HECTOR GALLOWAY SPAULDING, *Chairman*

WILLIAM THOMAS FRYER
SAUL CHESTERFIELD OPPENHEIM
THE LIBRARIAN

SCHEDULE COMMITTEE

WILLIAM CABELL VAN VLECK, *Chairman*

EARL CASPAR ARNOLD
WALTER LEWIS MOLL

CATALOGUE COMMITTEE

WILLIAM CABELL VAN VLECK, *Chairman*

SAUL CHESTERFIELD OPPENHEIM
WALTER LEWIS MOLL

COMMITTEE ON STUDENT AFFAIRS

WILLIAM ARMSTRONG HUNTER, *Chairman*

CHARLES SAGER COLLIER
WILLIAM THOMAS FRYER

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*Arranged, with the exception of the President and Dean, on the basis of collegiate seniority. The address is Washington, D. C., unless otherwise stated.

WENDELL PHILLIPS STAFFORD, A.M., LL.B., LL.D., LITT.D., *Emeritus Professor of Law.*

ACTIVE LIST

WALTER COLLINS CLEPHANE, LL.M., *Professor of Law.*
EDWIN CHARLES BRANDENBURG, LL.M., *Professor of Law.*
JOHN PAUL EARNEST, A.M., LL.M., *Professor of Law.*
JOHN WILMER LATIMER, LL.B., *Professor of Law.*
WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., *Professor of Law.*
CHARLES SAGER COLLIER, A.B., LL.B., *Professor of Law.*
HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D., *Professor of Law.*
EARL CASPAR ARNOLD, A.B., LL.B., *Professor of Law.*
WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law.*
JOSEPH WINSTON COX, LL.B., *Professorial Lecturer in Law.*
THOMAS CLAFFEY LAVERY, A.B., LL.B., *Visiting Professor of Law, Summer Session 1929 (The University of Cincinnati Law School).*
HORACE EUGENE WHITESIDE, A.B., LL.B., S.J.D., *Visiting Professor of Law, Summer Session 1929 (Cornell University Law School).*
LOYD HALL SUTTON, S.B., LL.B., *Associate Professor of Law.*
WILLIAM ARMSTRONG HUNTER, A.B., LL.M., *Associate Professor of Law.*
WILLIAM THOMAS FRYER, A.B., LL.B., J.D., *Associate Professor of Law.*
SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., *Assistant Professor of Law.*
CARVILLE DICKINSON BENSON, A.B., LL.B., S.J.D., *Assistant Professor of Law.*
LEVI RUSSELL ALDEN, A.M., LL.B., *Lecturer in Law.*
GILBERT LEWIS HALL, A.B., LL.B., *Lecturer in Law.*
CLARENCE ALTHA MILLER, LL.M., *Lecturer in Law.*
FINNEY BASCOM SMITH, LL.B., Graduate U. S. Naval Academy, *Lecturer in Law.*
FREDERICK CHARLES O'CONNELL, LL.M., *Associate in Law and Clerk of the Moot Court.*

MOOT COURT OF APPEALS

LEON TOBRINER, LL.B., *Chief Justice.*
BRAINARD WARNER PARKER, LL.B., *Associate Justice.*
REGINALD SHIPPEN HUIDEKOPER, LL.B., *Associate Justice.*

INTRODUCTORY STATEMENTS

The George Washington University Law School, established in 1826, discontinued somewhat later and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of

Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the school took part in the organization of the Association of American Law Schools, and has been a member of the Association since that time. In 1911 the school became co-educational. In 1924, in compliance with the requirements of the American Bar Association and of the Association of American Law Schools, the late afternoon course for employed students was increased to four years. On September 1, 1925, the entrance requirements also, in compliance with the requirements of the associations mentioned above, were increased to two years of college work. The school is approved by the Council of Legal Education of the American Bar Association. For over twenty years it has used the case method of instruction. Since September 1, 1925, it has occupied a new law building, designed and constructed for its use. This building has been named Stockton Hall in honor of the late Rear Admiral Charles H. Stockton, President of the University from 1910 to 1918. The building contains nine class rooms, library space with a maximum capacity of approximately forty thousand volumes, and ten offices for professors.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and other federal courts, the English Reprints and English Law Reports, the United States statutes, the statutes of several states, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading text books and legal periodicals.

The library is open from 9:00 A. M. to 11:00 P. M. on week days and from 2:00 to 6:00 P. M. on Sundays.

ACADEMIC YEAR

The academic year 1929-30 begins on Wednesday, September 25, 1929, and closes Wednesday, June 11, 1930.

The academic year is divided into two semesters, the second beginning Monday, February 3. In addition there is a summer session of two terms of six and a half weeks each. The summer session of 1929 will begin June 17, the second term beginning August 1.

Registration is permitted at the beginning of the second semester. First year students taking the late afternoon classes may enter at that time for a regular course of ten hours per week. Such students may, by attending the following summer session, complete most of the first year afternoon course. Other students may register for second semester subjects which they are qualified to take but not for year subjects.

Students who complete their work for the degree at the end of the first semester may be recommended for graduation at the mid-winter convocation February 22.

ADMISSION REQUIREMENTS

FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have completed before admission fifteen units of approved secondary school work, and at least two years, sixty semester hour credits, of approved college work. The completion of this work must be evidenced by proper certificates. In no case will a student be admitted conditioned in any part of the entrance requirement. An application for admission may be rejected on the ground of unsatisfactory scholarship in pre-legal studies.

The college work required for admission may be completed in Columbian College of The George Washington University. Applicants for such college work should communicate with the Registrar of the University, 2033 G Street Northwest.

Advanced Standing. Students from approved law schools may receive not more than two years' credit toward the degree of Bachelor of Laws for work done in such schools. Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work.

FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must have at the time they register the degree of Bachelor of Arts or an equivalent degree from an approved college, and the degree of Bachelor of Laws or an equivalent degree from an approved law school. The two degrees must have been obtained in not less than six academic years.

SPECIAL STUDENTS

A limited number of persons who cannot qualify as candidates for a degree but who are over twenty-five years of age and because of their maturity, educational training and practical experience seem qualified to pursue the study of law, may be admitted by the Executive Committee of the Faculty as special students.

Candidates for admission as special students must file written applications setting forth their qualifications in detail, and letters and certificates to

prove the facts stated therein as to their education and experience. Work done by special students will not be counted toward the degree.

UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours per week.

APPLICATION FOR ADMISSION

Applications for admission and certificates of pre-legal study should be filed with the Secretary of The Law School not later than ten days before the registration period. Applications for admission with advanced standing should be filed with the Dean of the Law School not later than ten days before the registration period.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in The Law School until proper credentials have been filed and approved by the proper officers of The Law School. (See Admission, above.)

Without the approval of the Executive Committee no student shall be permitted to register in the second semester of a year subject until he has completed the attendance in the first semester of that subject.

In all cases where students are permitted to register in one semester of a year subject they must register for the other semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration is for the year unless otherwise indicated on the registration paper; no registration is accepted for less than a semester or a summer term.

Registration days for the academic year 1929-30 will be Saturday to Tuesday, September 21 to 24, both inclusive, and Friday and Saturday, January 31 and February 1. Except where special permission is given, students must register on the regular registration days. A late registration fee of $5.00 will be charged each student who registers after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester or for a year subject after the first four weeks of the year.

Change of Registration. Registration may be changed only with the permission of the Dean. A fee of $2.00 will be charged for each change authorized after registration.

FEES

1. *University fee, per semester	$ 6.00
2. Tuition fee, per semester hour	8.00
Minimum tuition fee per semester	24.00
3. Graduation fee	15.00
4. Reinstatement fee	4.00
5. Late registration fee	5.00
6. Change fee	2.00
7. Fee for a special examination	10.00

FINANCIAL REGULATIONS

See page 62.

SCHOLARSHIP LOAN FUNDS

Through the generosity of friends of the University a number of loan funds are available to students in The Law School. Among these is the Henry Strong–William A. Maury Scholarship Loan Fund, established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury.

Student loans and scholarships are administered by the University Committee on Student Loans and Scholarships. Applications should be made to the Registrar of the University, in accordance with instructions stated on page 64.

PRIZES

The John Bell Larner Gold Medal. A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who has attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded in 1927-28 to Henry T. Kilburn.

Samuel Herrick Prize. A prize of twenty-five dollars cash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class, excepting the winner of the gold medal, who has attained the highest average grade in the work of the third year. Awarded in 1927-28 to James M. Castle, Jr.

The Ordronaux Prize Scholarship. A scholarship known as the "Ordronaux Prize Scholarship," is awarded annually to the student taking the regular course who has attained the highest average grade in the work of the second year. This scholarship entitles the holder to free tuition to the extent of one hundred dollars during the year following its award. Awarded in 1927-28 to Charles V. Laughlin.

*Students entering prior to the 1928 Summer Session pay $4.00 a semester.

Ellsworth Prize. A prize of twenty-five dollars, called the "Ellsworth Prize," is offered by Mr. Fritz V. Briesen, for the best work in the subject of Patent Law Practice. Awarded in 1927-28 to Ralph H. Hudson.

ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in twenty-eight law schools the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." The George Washington University Chapter was established in 1926. Students are elected each year from the highest ranking ten per cent of the Senior Class of The Law School.

DEGREES

The degrees are Bachelor of Laws and Master of Laws.

Six Year Combined Course for the Degree of Bachelor of Arts and Bachelor of Laws. The University will confer the degree of Bachelor of Arts upon the completion of three years of college work and the first year in The Law School. (See Columbian College Announcement.) The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for the degree of Bachelor of Laws must satisfy the admission, residence, and scholarship requirements and complete the prescribed number of credits and required subjects.

Residence. The attendance requirement for this degree is three academic years for full-time students and four academic years for part-time students of which at least one academic year must be spent in residence at The George Washington University Law School.

Number of Credits. The credit requirement is eighty semester hours. A semester hour is an hour a week of class work for one semester.

Scholarship. The eighty semester hours of work required must be completed with an average grade of at least "C," and not more than sixteen hours with a grade of "D" may be counted toward the degree.

Required Subjects. The following subjects are required for the degree of Bachelor of Laws: 105, Common Law Actions; 111–112, Contracts; 124, Criminal Law and Procedure; 135, Personal Property; 137–138, Real Property I; 141–142, Torts; 163–164, Bills and Notes; 167, Common Law Pleading and Practice; 171–172, Equity II; 174, Equity Pleading and Practice;

177–178, Evidence; 187-188, Real Property II; 251–252, Constitutional Law; 257–258, Corporations; 281, Legal Ethics; 283–284, Moot Court.

Honors. The degree of Bachelor of Laws "With Distinction" will be awarded students who obtain an average grade of "A".

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

Candidates for the degree of Master of Laws must complete twenty semester hours of work in subjects not counted toward the degree of Bachelor of Laws and must present a satisfactory thesis in a subject which has been counted toward the Master's degree.

Trusts, Conflict of Laws, Constitutional Law, and Roman Law must be included in the course for the degree of Master of Laws if not previously taken. No first year subject and no second year required subject may be counted toward this degree.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws.

Scholarship. Courses taken for the Master's degree must be completed with a grade of not less than "C" in each subject and with an average grade of not less than "B."

REGULATIONS REGARDING DEGREES

Non-continuous Attendance. Candidates absent for more than one continuous academic year may re-enter and continue their work only under the rules and regulations in force at the time of their return. The Executive Committee, however, may permit such students to continue their work under the entrance requirements in force at the time they were admitted to the School.

Right to Refuse. The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Application for Graduation. Application for graduation should be filed in the office of the Secretary at the beginning of the senior year.

HOURS OF INSTRUCTION

Hours. The regular course for full-time students is given from 9:00 A. M. until 1:00 P. M. Employed students may take the regular course in the classes held at 5:10 P. M. and 6:10 P. M.

Courses Offered. The statement of the courses of study offered will be found under "Law" in the alphabetical list beginning on page 212.

REGULATIONS

AMOUNT OF WORK

A student who takes a majority of his courses in the full-time section, from 9:00 A. M. to 1:00 P. M., may with the permission of the Dean take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections or in classes held before 9:00 A. M., may not register for more than ten hours per week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when in the judgment of the Dean the best interests of the student require it.

GRADES

The grade of a student in each subject is indicated by the letter P, Pass; D, Conditional Pass; or F, Failed. The meaning of these grades is as follows:

P, Pass, means that the work has been successfully completed and full credit given for the subject.

D, Conditional Pass, means that credit is given for the subject but not more than sixteen semester hours of such credit may be counted toward the degree.

F, Failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year has received a grade of F in one subject only and obtained a general overage of C, may take the next regular examination in that subject, and if on such reexamination he attains the grade of C or better he will be given a grade of D (60) in the subject.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: A, excellent, 85–100; B, good, 75–84; C, pass, 65–74; D, conditional pass, 55–64; F, failure, below 55.

SCHOLARSHIP REQUIREMENTS

Unless a student in each academic year receives a grade above F in at least three-fourths of the semester hours in which he is registered and obtains a numerical average grade of not less than 60 he will be denied registration in the future, but upon written application to the Executive Committee, showing sufficient cause, he may be reinstated on such conditions as the committee may impose.

Graduation Requirement. See "Requirements for the Degree of Bachelor of Laws," page 148.

ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject.

In the case of absences exceeding ten per cent of the class hours and less than twenty-five per cent, these absences shall be added at the end of the academic year and for each fifteen hours of such absence the student's credit for the year shall be reduced by one semester hour. If a student is absent for more than twenty-five per cent of the classes in any subject he shall not be eligible to take the examination in that subject or to receive credit therefor. In all cases absences due to late registration shall be included.

CHANGES AND WITHDRAWALS

Changes in courses and withdrawals may be arranged *only in the office of the Dean or Secretary.* Unless this is done students will be treated as registered for the subjects shown on the original registration blanks and fees will be charged accordingly.

In no case will tuition fees be reduced because of non-attendance upon classes.

Withdrawals during a semester may be granted by the Dean upon *written application* setting forth reasons. See also pages 63 and 77.

A fee of $2.00 will be charged for any change in courses after registration.

EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled, may take the next regular examination given in the subject.

No student shall be given an examination in nor permitted to receive credit in less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject he shall not take the examination in that subject until the other semester has been completed. If no regular examination in that subject is scheduled at the time the other semester is completed, then the student shall not be given a special examination but shall be required to take the next regular examination.

No special examinations will be given; provided, that upon written application to the Executive Committee, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take that examination, may, in the discretion of the committee, be given a special examination not less than sixty days after the one which he failed to take or to pass.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester hours of credit as follows:

First year to 27; Second year, 28 to 55; Third year, 56 or more.

UNIVERSITY REGULATIONS

The statement of the University regulations will be found beginning on page 51.

For catalogues, application blanks and further information, address:

The Dean of The Law School,
The George Washington University,
720 20th Street N.W., Washington, D. C.

THE SCHOOL OF ENGINEERING

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
JOHN RAYMOND LAPHAM, M.S., *Dean of The School of Engineering*

EXECUTIVE COMMITTEE

JOHN RAYMOND LAPHAM, *Chairman*
NORMAN BRUCE AMES — FRANK ARTEMAS HITCHCOCK
ARTHUR FREDERICK JOHNSON

ACTIVE LIST

JOHN THOMAS ERWIN, A.M. *Professor of Mathematics.*
JOHN RAYMOND LAPHAM, M.S., *Professor of Civil Engineering.*
OWEN BERT FRENCH, C.E., *Professor of Civil Engineering.*
FRANK ARTEMAS HITCHCOCK, M.S., C.E., *Professor of Civil Engineering.*
COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*
EDWARD HENRY SEHRT, PH.D., *Professor of German.*
WALTER LYNN CHENEY, PH.D., *Professor of Physics.*
NORMAN BRUCE AMES, B.S., E.E., LL.B., *Professor of Electrical Engineering.*
ARTHUR FREDERICK JOHNSON, M.E., *Professor of Mechanical Engineering.*
JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics.*
HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*
MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*
BENJAMIN CARPENTER CRUICKSHANKS, B.S. IN M.E., *Assistant Professor of Mechanical Engineering.*
DOUGLAS BEMENT, A.B., LL.B., *Assistant Professor of English.*
ROBERT EDWARD ROYALL, B.S., *Lecturer in Civil Engineering.*
GEORGE ALBERT CHADWICK, B.S., *Lecturer in Mechanics.*
CYRIL BRYCE UPHAM, PH.D., LL.B., *Lecturer on Commercial and Maritime Law.*
BLAKE VAN LEER, M.S., *Lecturer in Hydraulics.*
PAUL REVERE NASH, B.S., *Instructor in Electrical Engineering.*
HAROLD HARRISON DUTTON, B.S., *Associate in Materials Testing.*
EDWARD PORTER HENDERSON, M.S., *Associate in Mineralogy.*
JOSEPH CARL OLEINIK, M.S., *Associate in Civil Engineering.*
JAMES AUGUSTIN ST. OMER ROY, B.S. IN E.E., *Associate in Mechanical Drawing.*

INTRODUCTORY STATEMENT

The School of Engineering was organized in 1884 under the name of The Corcoran Scientific School of The George Washington University.

ADMISSION REQUIREMENTS

General Requirements. Candidates for admission to the Freshman Class are required to present fifteen units of accredited secondary school work, as follows:

English	3
Foreign Language	2
Plane and Solid Geometry	1½
Elementary and Advanced Algebra	2
Plane Trigonometry	½
Chemistry	1
Physics	1
History	1
Electives	3
Total	15 units

Advanced Standing. Candidates for advanced standing must present official transcripts of their records in the schools last attended.

Special Students. Special students must be over 21 years of age and must satisfy the instructor in each course which they wish to take of their ability to pursue the work of the course. No work taken by a special student will be credited toward a degree until he has met all entrance requirements and taken all prerequisites.

Application. For general regulations regarding admission and filing of credentials and the description of prescribed studies, see page 51.

REGISTRATION

Before registration, schedules for new students and special students must be approved by the Dean. Schedules of other students must be approved by the executive officer of the department.

For registration procedure, see page 57.

FEES

The following fees are prescribed by statute:

1. *University Fee:*
   For each semester or any part thereof $6.00
2. *Tuition:*
   For each semester hour credit of courses taken 7.00

3. *Examination Fees:*
   For entrance, in one subject $5.00
   In more than one subject 10.00
4. *Graduation Fee* 15.00
5. *Physical Education Fee:*
   For undergraduate women for official uniform 10.00
6. *Late Registration Fee* 5.00
7. *Reinstatement Fee* 4.00
8. *Change Fee* 2.00
9. *Thesis Fee for graduate students* 50.00
10. *Drafting Room Locker rental,* annual 1.00
11. *Laboratory Fees,* see page 56.

FINANCIAL REGULATIONS

Delinquency. A student who is suspended for non-payment of fees may be re-admitted only upon approval of the Dean.

For further regulations see page 62.

SCHOLARSHIPS AND LOAN FUNDS

The following scholarships may be assigned to students in The School of Engineering:

Henry Harding Carter Scholarship; Citizens' Military Training Camp Scholarships; Columbian Women Scholarships; Elma Lewis Harvey Scholarship; Admiral Powell Endowment; Woodhull Scholarship.

For particulars as to applications and award and information regarding loans see page 64.

PRIZES

See page 69.

DEGREES

The following degrees are granted for the satisfactory completion of four-year courses in The School of Engineering:

Bachelor of Science in Civil Engineering
Bachelor of Science in Electrical Engineering
Bachelor of Science in Mechanical Engineering

The following professional degrees may be granted to graduates of The School of Engineering who have established themselves in their profession to the extent of having responsible charge of engineering work, and have presented an acceptable thesis:

Civil Engineer
Electrical Engineer
Mechanical Engineer

REQUIREMENTS FOR DEGREES

BACHELOR OF SCIENCE

General Requirements. To be recommended for a Bachelor's degree a student must satisfy the admission and the curriculum requirements which include at least 144 semester hours of undergraduate work. A semester hour of credit is one recitation or lecture a week or one laboratory, design or drawing period a week for one semester.

Residence. Of the 144 semester hours required for graduation, at least 35 hours must be completed at The George Washington University.

Scholarship. The student's grades in at least two-thirds of the required 144 semester hours required must be "C" or higher.

Honors. One grade of special distinction is recognized in awarding the Bachelor's degree. The names of all students who have received a mark of at least "B" in all courses representing at least sixty per cent of all hours taken by them are submitted by the Dean to the Faculty. After separate consideration of each case, the Faculty may recommend the awarding of the degree "With Distinction."

Application for Graduation. Application for graduation should be made at the time of registration for the first semester of the senior year.

PROFESSIONAL DEGREES

1. Application for the professional degree may not be made within three years after graduation.

2. A detailed statement of the candidate's experience with references and the title of his thesis must be filed in the office of the Dean at least eight months before Commencement.

3. If his application is accepted, the candidate must meet such requirements pertaining to the preparation of his thesis as may be laid down by the executive officer of his department.

4. A bound copy of the thesis, typewritten on thesis paper, must be filed in the office of the Dean on or before the first day of April preceding Commencement.

CURRICULUM REQUIREMENTS

1. CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

	Semester Hours		
	1st Sem.	2nd Sem.	
FRESHMAN YEAR			
Chemistry 5–6, General Chemistry	4	4	
English 1–2, Rhetoric	3	3	
French, German or Spanish	3	3	
Mechanical Engineering 3, Mechanical Drawing	3	–	
Mechanical Engineering 4, Descriptive Geometry	–	3	
Mathematics 11–12, Trigonometry; Analytical Geometry	3	3	
Physical Education	1	1	
			34
SOPHOMORE YEAR			
Civil Engineering 1, Elementary Surveying	3	–	
Civil Engineering 25–26, Materials of Construction	2	2	
Civil Engineering 102, Advanced Surveying	–	3	
Civil Engineering 118, Practical Astronomy	–	2	
Geology 1–2, Mineralogy	2	2	
Mathematics 19–20, Calculus	3	3	
Physics 7–8, General Physics	4	4	
Physics 15–16, Engineering Physics	2	2	
Physical Education	1	1	
			36
JUNIOR YEAR			
Civil Engineering 131, Theoretical Mechanics	4	–	
Civil Engineering 133–134, Hydraulics	2	2	
Civil Engineering 132, Mechanics of Materials	–	4	
Civil Engineering 14, Materials and Hydraulic Laboratory	–	2	
Civil Engineering 61-62, Highways and Pavements	2	2	
Civil Engineering 71–72, Railroad Engineering	3	3	
Civil Engineering 41, Graphic Statics	3	–	
Civil Engineering 42, Bridge Stresses	–	3	
Economics 1–2, Principles of Economics	3	3	
			36
SENIOR YEAR			
Civil Engineering 181–182, Sanitary Engineering	3	3	
Civil Engineering 145–146, Higher Structures	3	3	
Civil Engineering 147–148, Structural Design	2	2	
Civil Engineering 149–150, Reinforced Concrete and Masonry Construction	3	3	

	Semester Hours 1st Sem.	2nd Sem.	
Economics 159, Commercial Law	3	–	
Electrical Engineering 9–10	3	3	
Electrical Engineering 136, Hydro-Electric Engineering	–	2	
Electives	5		
			38
Total			144

2. ELECTRICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

	Semester Hours 1st Sem.	2nd Sem.	
FRESHMAN YEAR			
Identical with Civil Engineering Course			34
SUMMER FOLLOWING FRESHMAN YEAR			
Civil Engineering 5, Elements of Surveying			2
SOPHOMORE YEAR			
Civil Engineering 25–26, Materials of Construction	2	2	
Mathematics 19–20, Calculus	3	3	
Mechanical Engineering 7–8, Machine Drawing	2	2	
Mechanical Engineering 13–14, Mechanism	3	3	
Physics 7–8, General Physics	4	4	
Physics 15–16, Engineering Physics	2	2	
Physical Education	1	1	
			34
JUNIOR YEAR			
Civil Engineering 131, Theoretical Mechanics	4	–	
Civil Engineering 133–134, Hydraulics	2	2	
Civil Engineering 132, Mechanics of Materials	–	4	
Mathematics 135, Special Topics	2	–	
Electrical Engineering 9–10	3	3	
Electrical Engineering 17–18, Electrical Engineering Laboratory	2	2	
Mechanical Engineering 111–112, Thermodynamics	3	3	
Civil Engineering 14, Materials and Hydraulics Laboratory	–	2	
Economics 159, Commercial Law	3	–	
Electives	–	3	
			38

	Semester Hours 1st Sem.	2nd Sem.	
SENIOR YEAR			
Economics 1–2, Principles of Economics	3	3	
Electrical Engineering 121–122, Alternating Currents	4	4	
Electrical Engineering 125–126, Transmission and Distribution	2	2	
Electrical Engineering 133–134, Electrical Engineering Laboratory	2	2	
Electrical Engineering 136, Hydro-Electric Engineering	–	2	
Electrical Engineering 137, Electric Railways	2	–	
Electrical Engineering 139, Electrical Illumination	2	–	
Electrical Engineering 140, Electrical Design	–	3	
Mechanical Engineering 115, Mechanical Engineering Laboratory	2	–	
Mechanical Engineering 132, Internal Combustion Engines	–	3	
			36
Total			144

3. MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

	Semester Hours 1st Sem.	2nd Sem.	
FRESHMAN YEAR			
Identical with Civil Engineering Course			34
SUMMER FOLLOWING FRESHMAN YEAR			
Civil Engineering 5, Elements of Surveying			2
SOPHOMORE YEAR			
Civil Engineering 25–26, Materials of Construction	2	2	
Mathematics 19–20, Calculus	3	3	
Mechanical Engineering 7–8, Machine Drawing	2	2	
Mechanical Engineering 13–14, Mechanism	3	3	
Physics 7–8, General Physics	4	4	
Physics 15–16, Engineering Physics	2	2	
Physical Education	1	1	
			34

	Semester Hours 1st Sem.	2nd Sem.	
JUNIOR YEAR			
Civil Engineering 131, Theoretical Mechanics	4	–	
Civil Engineering 133–134, Hydraulics	2	2	
Civil Engineering 132, Mechanics of Materials	–	4	
Civil Engineering 14, Materials and Hydraulic Laboratory	–	2	
Civil Engineering 41, Graphic Statics	3	–	
Electrical Engineering 9–10	3	3	
Mechanical Engineering 111–112, Thermodynamics	3	3	
Mechanical Engineering 118, Hydraulic Machinery	–	2	
Mechanical Engineering 125, Methods of Manufacture	3	–	
Mechanical Engineering 132, Internal Combustion Engines	–	3	
			37
SENIOR YEAR			
Electrical Engineering 13–14, Electrical Laboratory	2	2	
Mechanical Engineering 115, Mechanical Engineering Laboratory	2	–	
Mechanical Engineering 116, Mechanical Engineering Laboratory	–	2	
Mechanical Engineering 127–128, Machine Design	3	2	
Mechanical Engineering 129–130, Power Plants	3	3	
Mechanical Engineering 131, Heating and Ventilation	2	–	
Mechanical Engineering 138, Refrigeration	–	2	
Economics 1–2, Principles of Economics	3	3	
Economics 159, Commercial Law	3	–	
Electives	5		
			37
Total			144

HOURS OF INSTRUCTION

Class hours are so arranged that persons who can give only part-time to college work may complete a full engineering course and obtain a degree. Classes in all general studies of the engineering courses and in most of the technical subjects are regularly scheduled in the two class periods from 5:10 o'clock to 7:00; and other technical courses are given

in alternate years in these periods. Drawing and laboratory courses for students with limited schedules are ordered from 7:30 to 10:30 P. M.

The statement of courses of instruction will be found listed in alphabetical order beginning on page 212.

REGULATIONS

AMOUNT OF WORK

The program for students is set forth in the statement of curriculum requirements beginning on page 146. Students with limited programs usually take not more than nine periods a week, and only in exceptional cases will they be permitted to take more than ten periods a week.

GRADES

The following grading system is used:

A, 90–100; B, 80–89; C, 70–79; D, 60–69; E, conditioned; F, failed; Inc., Incomplete. "Incomplete" is a temporary grade which may be removed by meeting the conditions set by the instructor when the grade is reported. An "E" may be changed to a "D" within one year by meeting the conditions set by the instructor. An "F" necessitates the repetition of the course.

SCHOLARSHIP

Delinquency. The scholarship committee shall have the power to warn, place on probation or suspend a student whose work is unsatisfactory.

A student who has been suspended for poor scholarship may be readmitted only upon approval of the Scholarship Committee.

Requirement for graduation. See "Requirements for Degrees," page 159.

CHANGES AND WITHDRAWALS

All changes in schedule and withdrawals must be approved by the Dean before they become effective. See general regulations regarding change and withdrawal on pages 63 and 77.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester hours of credit as follows: Freshman, below 34; Sophomore, 34; Junior, 70; Senior, 106.

OTHER INFORMATION AND REGULATIONS

Students in The School of Engineering are subject to the general University regulations stated beginning on page 51.

THE SCHOOL OF EDUCATION

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
WILLIAM CARL RUEDIGER, PH.D., *Dean of The School of Education.*

COMMITTEES

THE DEAN'S COUNCIL

WILLIAM CARL RUEDIGER, *Chairman*

THOMAS BENJAMIN BROWN — ROBERT FISKE GRIGGS
J. ORIN POWERS — WILLIAM CULLEN FRENCH

ADMISSION

J. ORIN POWERS, *Chairman*

HAROLD GRIFFITH SUTTON — ROBERT RUSS KERN

ADVANCED STANDING

J. ORIN POWERS, *Chairman*

FRED AUGUST MOSS — DEWITT CLINTON CROISSANT

SCHOLARSHIP

CHARLES SIDNEY SMITH, *Chairman*

COLIN MACKENZIE MACKALL — EDWARD HENRY SEHRT

DISCIPLINARY RELATIONS

WILLIAM CARL RUEDIGER, *Chairman*

HENRY GRATTAN DOYLE — FRANCES KIRKPATRICK

ACTIVE LIST

PAUL BARTSCH, PH.D., *Professor of Zoology.*
CHARLES SIDNEY SMITH, PH.D., *Professor of Classical Languages.*
WILLIAM CARL RUEDIGER, PH.D., *Professor of Education.*
ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science.*
EDWARD ELLIOTT RICHARDSON, M.D., PH.D., *Elton Professor of Mental and Moral Philosophy.*
DEWITT CLINTON CROISSANT, PH.D., *Professor of English.*
ROBERT RUSS KERN, A.B., *Professor of Sociology.*
JOHN THOMAS ERWIN, A.M., *Professor of Mathematics.*
THOMAS BENJAMIN BROWN, PH.D., *Professor of Physics.*
HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*
ROBERT FISKE GRIGGS, PH.D., *Professor of Botany.*
JOHN DONALDSON, PH.D., *Professor of Political Economy.*
GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*
COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*

Edward Henry Sehrt, Ph.D., *Professor of German.*
Fred August Moss, Ph.D., M.D., *Professor of Psychology.*
William Cullen French, Ph.D., *Professor of Education.*
Frank Washington Ballou, Ph.D., *Professorial Lecturer in Education.*
Jessie Elizabeth LaSalle, A.M., *Professorial Lecturer in Education.*
Mandel Sherman, M.D., Ph.D., *Professorial Lecturer on Child Development.*
Louise Stanley, Ph.D., *Professorial Lecturer in Home Economics.*
Tenjes Henry Schutte, Ph.D., *Visiting Professor of Education.*
J. Orin Powers, Ph.D., *Associate Professor of Education.*
Harold Griffith Sutton, M.S., *Associate Professor of Finance.*
Warren Reed West, Ph.D., *Associate Professor of Political Science.*
Dudley Wilson Willard, Ph.D., *Associate Professor of Sociology.*
Francis Kirkpatrick, A.M., *Assistant Professor of Home Economics.*
Charles Elmer Resser, Ph.D., *Lecturer in Geography.*
Emeline Storm Whitcomb, A.M., *Lecturer in Home Economics.*
William Middleton, A.M., *Lecturer in Psychology.*
Blanche Westenhaver Rollinson, A.M., *Lecturer in Home Economics.*
James Allan Hicks, Ph.D., *Lecturer in Education.*
Thelma Hunt, Ph.D., *Instructor in Psychology.*
Lewis Raymond Alderman, A.B., *Lecturer on Adult Education.*
Maude Eleanor Aiton, A.M., *Lecturer on Americanization.*
Florence Van Auken Watkins, B.S., *Lecturer on Parental Education.*
Helen Marie Dyer, M.S., *Associate in Chemistry.*

PURPOSE AND SCOPE

It is the purpose of the School of Education to prepare teachers, supervisors and administrators for the higher ranges of education service and to offer opportunities to teachers of experience to extend their training. The School embraces the departments of Education, Educational Psychology and Home Economics and it is affiliated with all the other departments of the University in which the student is likely to elect work.

ADMISSION TO UNDERGRADUATE DIVISION

Beginning with the year 1929-30, the undergraduate division of the School of Education assumes the status of a senior college. Admission is based on (a) the satisfactory completion of two years, 60 semester hours, of approved college work, (b) graduation from an approved two-year normal school, or (c) the equivalent of (a) or (b) preceding. In each case the student's secondary school record must meet the general admission requirements of 15 units. (See page 51.)

The following curriculum group for the freshman and sophomore years, which admits to full junior standing, is provided in Columbian College. (See page 98.)

Freshman Year	*Semester Hours*	Sophmore Year	*Semester Hours*
Botany or Zoology	6	English 51–52 or 91–92	6
English 1–2	6	Foreign Language	6
Foreign Language	6	Psychology	6
History	6	Social Science	6
Elective	6	Elective	6
Physical Education	2	Physical Education	2
Total	32	Total	32

These requirements may be modified in some instances on the basis of the work presented for entrance. A foreign language must be carried through the second college year of the language, or equivalent, while in social science it is required that a survey of the world's history be obtained.

All students transferring from other colleges or from normal schools should forward transcripts of both their high school and college or normal school records. This should be done at least one month before the beginning of the session that the student wishes to enter.

Students possessing the requirements specified above are admitted as regular students. Others may be admitted as *special students* to certain classes on the presentation of evidence that they are qualified to pursue the work to advantage.

REGISTRATION

See page 57.

FEES

The following fees are prescribed by statute:

1. University Fee:
   For each semester or any part thereof $6.00
2. Tuition:
   a. Per annum, for courses of study leading to the Ph.D. degree 210.00
   b. For all other courses, for each semester hour of work taken 7.00
   c. Special Course fees:
      Zoology 145–146, Bacteriology 60.00
      147, Clinical Microscopy 40.00
      148, Pathology 40.00

3. Examination Fees:	
For entrance, in one subject	$5.00
In more than one subject	10.00
4. Graduation Fee	15.00
5. Fee for certificate	5.00
6. Physical Education Fee:	
For undergraduate women (for official uniform)	10.00
7. Late Registration Fee	5.00
8. Reinstatement Fee	4.00
9. Change Fee	2.00
10. Laboratory Fees:	

See page 59.

FINANCIAL REGULATIONS

See page 62.

SCHOLARSHIPS AND LOAN FUNDS

The following scholarships may be assigned to undergraduate students in The School of Education:

Elizabeth V. Brown Scholarship; Maria M. Carter Scholarship; Citizens' Military Training Camp Scholarship; Columbian Women Scholarships (Nellie Maynard Knapp Scholarship Fund, Founders of Columbian Women Scholarship, Third Columbian Women Scholarship); Davis Scholarship; Farnham Scholarship; Elma Lewis Harvey Scholarship; Woodhull Scholarship.

For particulars of application and award and information regarding loans, see page 69.

DEGREES

The degrees of Bachelor of Arts in Education, Master of Arts and Doctor of Philosophy are conferred.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS IN EDUCATION

General Requirements. Exclusive of the two years of approved college work prescribed for admission, the University confers the degree of Bachelor of Arts in Education on the completion of the following 66 semester hours of work:

	Semester Hours
Principles of Education and Teaching	4
History of Education	3

	Semester Hours
Observation and Practice Teaching	6
Electives in Education	9
Philosophy	6
Major	24
Electives	14
Total	66

Normal School Graduates. Graduates of accredited two-year normal schools, with successful teaching experience, duly certified, are granted the degree of Bachelor of Arts in Education on the completion of a minimum of 72 semester hours of work, including required courses and the unsatisfied college courses specified for admission. The requirement in Education may be satisfied by the completion of 12 semester hours of work, exclusive of the six semester hours of credit granted for successful teaching experience. The unsatisfied requirements should be determined in consultation with the Dean.

Major. To provide for specialization in teaching, the student must complete a minimum of 24 semester hours of work in a major field. The approval of studies comprising the major rests with the major department. When the courses fall in two or more departments, more than 24 semester hours may be required. The major must be chosen by the close of the first semester of the junior year.

Advanced Courses. At least 30 semester hours of work must consist of courses numbered 101 or above.

Residence. A minimum of one full year, that of the senior year, must be completed in residence. Summer session work may be counted in residence but in no case may the period of attendance aggregate less than 30 weeks.

Honors. Graduation "With Distinction" is recommended by vote of the Faculty as follows: The names of all students who have received a mark of at least "B" on courses representing at least seventy (70) per cent of the work completed by them are referred by the Dean to the Faculty who, after consideration of each case, designate those deemed most worthy of being awarded their degrees "With Distinction."

Application for Graduation. Application for graduation should be filed with the Registrar at the time of registration for the first semester of the senior year.

GRADUATE WORK

DEGREES CONFERRED

The graduate work for teaching is conducted under the direction of the Faculty of The School of Education. The degrees conferred are: Master of Arts (A.M.) and Doctor of Philosophy (Ph.D.).

ADMISSION

To be admitted to graduate standing a candidate must present evidence of having been granted a baccalaureate degree by an accredited school or college, or of having completed a course of study that is judged by the Faculty to be the equivalent. Candidates holding degrees from unaccredited institutions, whose work is judged by the Faculty to be more than 12 semester hours short of a standard baccalaureate degree, must register for the A.B. degree; others may remove their deficiencies while registered for a higher degree.

GUIDANCE

Every candidate for a higher degree is under the guidance of a committee consisting of those members of the staff with whom he takes, or expects to take, work counting toward the degree, the professor of his major subject being chairman. It is the duty of this committee to outline the student's program of work, to approve his choice of a thesis subject, to conduct all general examinations, and to determine if he shall be recommended for the degree.

COURSES ACCEPTABLE

Work credited toward a higher degree must be chosen from courses numbered 101 and above. Strictly graduate courses are numbered 201 and above. Courses numbered 101–200 may be credited toward a higher degree only when approved by the student's committee and after the completion of additional work in them has been certified by the respective instructors in charge. Courses numbered 1–100 may not be credited toward a higher degree but in certain instances such courses may be required as a basis for advanced work.

THESES

Every candidate for a higher degree must present a thesis in his major subject. The thesis in final form must be typewritten on official thesis paper, obtainable at the Comptroller's office, and bound in cloth or leather. The title page must read:

(Title of Thesis)

By (Name of Candidate)

A thesis submitted to the Faculty of The School of Education of The George Washington University in part satisfaction of the requirements for the degree of (Name of degree).

(Date of convocation when degree is conferred.)

TRANSFERRED WORK

Graduate work completed in other accredited institutions of learning may be credited toward a higher degree as follows:

Toward the master's degree, not to exceed 12 semester hours.

Toward the doctor's degree, not to exceed two years.

Advanced courses completed in excess of the requirements for the baccalaureate degree in The George Washington University may be credited toward a higher degree to the extent of 12 semester hours, provided the work fits in with the student's plan of specialization and is approved in writing by the Dean before it is undertaken.

Transferred work completed more than three years prior to registration for a higher degree at The George Washington University will be credited only if the candidate successfully passes an examination given by his committee on the subject matter of the work offered for credit.

MASTER OF ARTS

REQUIREMENTS

Class Work. The completion of a minimum of 24 semester hours. This amount of work may be increased by the student's committee when the student's previous preparation in his chosen field of study has been meager. The choice of subjects must be approved by the student's committee and must form a coherent plan of specialization. At least six semester hours of work must be chosen from courses numbered 201 or above.

Thesis. The thesis counts as six semester hours of work toward the degree and must be duly registered for. The thesis subject must be approved in writing and recorded in the Registrar's office not later than the beginning of the semester or summer session in which the thesis is due.

Oral Examination. At least three weeks before the convocation at which the degree is expected, the candidate must pass an oral examination on his thesis and major field of work before a committee of at least five members appointed by the Dean. The conclusion of this examination, signed by the members of the examining committee, must be transmitted to the Dean by the chairman of the student's committee at least two weeks before convocation.

Residence. A candidate must pass in resident study at this University at least two semesters, or one semester and one nine-week summer term, or three nine-week summer terms, or four six-week summer terms.

DOCTOR OF PHILOSOPHY

NATURE OF THE DEGREE

It is the function of the work leading to the degree of Doctor of Philosophy in The School of Education to prepare students for advanced teaching, administrative and supervisory positions and to train them in the methods of original research. The student must acquire through his class work and individual study a broad and thorough knowledge of his specialty, and he must produce a thesis that is adjudged to be a contribution to his chosen field of learning. The formal requirements of courses and residence should be looked upon as means to these ends.

ADMISSION TO CANDIDACY

Before being admitted to candidacy for the doctor's degree the student must pass a preliminary oral and written examination before a committee of at least five members appointed by the Dean. It is the primary function of this examination to determine the student's fitness for doing original work.

REQUIREMENTS

1. *Study.* The candidate must complete successfully a series of courses, readings, and research studies laid out by his committee.

Two-thirds of this work, including the thesis, must fall in one major field; the remainder may fall in one or two minor fields.

2. *Thesis.* The candidate must produce a thesis based on original research in his major field of work. This thesis in final form must be presented to the Dean at least six weeks before the convocation at which the degree is expected. It is recommended that the thesis be published in whole or in part.

3. *Written Examination.* At least one month before the degree is expected to be conferred, the candidate must pass a written examination, conducted by his committee, on his major field of work

4. *Oral Disputation.* At least three weeks before being recommended for the degree, the candidate must successfully defend his thesis as a contribution to knowledge before his committee, supplemented by at least three other members of the Faculty. This examination is open to the public and all are privileged to question the candidate.

The returns and conclusions of both the written and the oral examinations, duly signed by the members of the respective committees, must be transmitted to the Dean for record and filing at least two weeks before convocation. The candidate shall be informed of the results of the examinations by the Dean.

5. *Languages.* At least eight months before he expects to receive his degree, the candidate must satisfy the departments of French and of German that he can read understandingly French and German works pertaining to his special field. On the recommendation of his committee the Faculty may approve the addition of one or more other foreign languages, or the substitution of another foreign language, or of methods of statistical inquiry for either French or German.

6. *Residence.* Before being recommended for the degree, the candidate must have spent at least three years in graduate study. Time spent in study at other accredited institutions may be counted but the last year of residence must be spent at this University.

HOURS OF INSTRUCTION

The schedule of courses is arranged so as to meet the convenience of both full-time and part-time students. By attending afternoon, Saturday and summer classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

The courses of instruction offered will be found listed in alphabetical order beginning on page 212.

REGULATIONS

AMOUNT OF WORK

16 hours a week constitute a normal program of work for undergraduate students. Students whose work averages "B" or higher may, with the Dean's permission, take 18 or 19 hours. More than 19 hours may not be taken except by special permission of the Faculty.

For employed students nine hours a week constitute a normal program of work. Students whose work averages "B" or higher for the preceding semester may be permitted by the Dean to take 12 or 13 hours.

For graduate students 12 hours a week, exclusive of the thesis, constitutes a normal program of work. Employed students may not take more than nine hours a week.

A student shall not register concurrently in The School of Education and in any other school or college except by the consent of the authorities of both schools.

GRADES

The following grades are given: A, excellent; B, good; C, average; D, passing; E, conditioned (not passing); F, failure; and Inc., incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the in-

structor, but in this case no final grade above D is given. The grade of D carries no credit in graduate work.

UNDERGRADUATE SCHOLARSHIP REQUIREMENTS

For Graduation. Two-thirds of the total amount of work taken for graduation must be passed with a grade of "C" or higher.

Probation. Students who pass in one-half or more of their work but who make a grade of "C" or higher in less than three-fifths of their work are placed on probation. A student is taken off probation after he has attained a grade of "C" or higher in at least two-thirds of the work attempted by him. In counting work attempted, courses duly dropped or marked incomplete shall be disregarded.

Dismissal for poor scholarship. Students who fail to pass (E or F) in half or more of their work, based on a minimum of 16 semester hours attempted, are dropped.

Readmission. A student who has been dropped for poor scholarship is allowed ten days in which to appeal his case to the Scholarship Committee through the Dean. If the case appears to be remediable and the student appears likely to suceeed in his scholarship thereafter, the Committee may readmit him on probation. A student who has been denied readmission on probation may petition the Scholarship Committee through the Dean for readmission after the lapse of one semester. A student who has been dropped twice will not be readmitted.

Eligibility for participation in student activities. While on probation a student may not represent the University on its athletic teams or in any other intercollegiate activities, nor serve as an officer or member of a committee in any class or student organization.

CHANGE OF COURSE AND WITHDRAWAL

A student desiring to change any course must secure the permission of the Dean. In case of withdrawal from the School, students should send prompt notice to the Dean. Notification to a professor of withdrawal from his course does not effect its discontinuance. See also pages 63 and 77.

OTHER INFORMATION AND REGULATIONS

Students registered in The School of Education are subject to the general University regulations, statement of which will be found beginning on page 51.

THE SCHOOL OF PHARMACY

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
LOUIS FRANCIS BRADLEY, PHAR.D., *Dean of the School of Pharmacy.*

COMMITTEES

ADVISORY COMMITTEE

SAMUEL L. HILTON, PHAR.D., *Chairman*
WYMOND H. BRADBURY, PHAR.D. LEWIS FLEMER, PHAR.D.
LOUIS FRANCIS BRADLEY, PHAR.D. WILLIAM P. HERBST, PHAR.D.
PAUL PEARSON

SCHOLARSHIP COMMITTEE

PAUL WILLIAM BOWMAN, *Chairman*
BENJAMIN DOUGLASS VAN EVERA WILLIAM PAUL BRIGGS

ACTIVE LIST

LOUIS FRANCIS BRADLEY, PHAR.D., *Professorial Lecturer in Pharmacy.*
OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology.*
HIRAM COLVER MCNEILL, PH.D., *Professor of Chemistry.*
COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*
WILLIAM PAUL BRIGGS, B.S. IN PHAR., *Associate Professor of Pharmacy.*
DOUGLAS BEMENT, A.B., LL.B., *Assistant Professor of English.*
ARTHUR JOHN M. JOHNSON, PH.D., *Assistant Professor of Physics.*
EUGENE CHRISTIAN BROKMEYER, *Lecturer on Pharmaceutical Jurisprudence.*
ASA VERNON BURDINE, *Lecturer on Commercial Pharmacy.*
FRED BURNS CAMPBELL, PHAR.D., *Lecturer on Toxicology.*
CLAYTON HOWARD HIXON, M.D., *Lecturer on Physiology.*
MARVIN RUSSELL THOMPSON, PH.G., *Lecturer on Pharmacology.*
A. MAGRUDER MACDONALD, M.D., *Lecturer on First Aid.*
HENRY DUNN HUGHES, *Lecturer on Perfumes and Cosmetics and Pharmaceutical Mathematics.*
AUGUSTUS CARRIER TAYLOR, *Lecturer on Pharmaceutical Ethics.*
*PAUL WILLIAM BOWMAN, A.M., *Instructor in Botany.*
BENJAMIN DOUGLASS VAN EVERA, M.S., *Instructor in Chemistry.*
EWALD WITT, M.S. IN PHAR., *Instructor in Pharmacy.*

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*On Leave 1929–1930

REQUIREMENTS FOR DEGREES

GRADUATE IN PHARMACY

To be recommended for the degree of Graduate in Pharmacy, the candidate must have satisfied the admission, residence and scholarship requirements and have attended and passed satisfactory examinations in the courses of study in the three-year curriculum, amounting to at least 106 semester hours as specified.

BACHELOR OF SCIENCE IN PHARMACY

To be recommended for the degree of Bachelor of Science in Pharmacy, the candidate must have satisfied the admission, residence and scholarship requirements and have attended and passed satisfactory examinations in the courses of study in the four-year curriculum, amounting to at least 140 semester hours as specified.

Residence. At least one year must be spent in residence at this School.

Attendance. Candidates for the degree of Graduate in Pharmacy must have attended at least 80 per cent of all required instruction during three sessions of 32 weeks each in three separate years; and candidates for the degree of Bachelor of Science in Pharmacy must have attended 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years. Candidates must be present at the time specified for the final examinations, and also at commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council.

Honors. Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as "having graduated with distinction." If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

Personal Qualifications. Every candidate for the degree of Ph.G. must be at least 21 years of age and of reputable character. He must have complied with the admission and other requirements herein set forth.

COURSES OF INSTRUCTION

The laboratory method of teaching is used. Recitation classes are held in connection with each course in order to provide systematic drill in the subjects under competent instructors. Students in Pharmacy have the advantage of instruction in all departments of the University.

Instruction is given during the day.

The courses of instruction offered will be found listed in alphabetical order beginning on page 212.

CURRICULUM REQUIREMENTS

THREE-YEAR COURSE LEADING TO THE DEGREE OF GRADUATE IN PHARMACY

FIRST YEAR

	Semester Hours
Pharmacy 1–2, 3–4	10
Chemistry 3–4 or 5–6	10 or 8
Botany 1–2	6
English 1–2	6
Pharmaceutical Mathematics (Pharmacy 5–6)	2
History of Pharmacy (Pharmacy 9)	1
	35 or 33

SECOND YEAR

Pharmacy 53–54, 61–62, 63–64	12
Chemistry 11–12	8
Pharmacology (Pharmacy 65–66)	6
Pharmaceutical Arithmetic (Pharmacy 71–72)	2
Physics 3–4	6
Pharmaceutical Latin (Pharmacy 67–68)	2
Physiology (Pharmacy 77–78)	2
	38

THIRD YEAR

Pharmacy 151, 152, 157–158	10
Chemistry (Organic) 41–42	8
Medical Emergencies and First Aid (Pharmacy 173–174)	2
Commercial Pharmacy (Pharmacy 165–166)	4
Jurisprudence (Pharmacy 101–102)	2
Bacteriology 221	3
Ethics (Pharmacy 162)	–
Pharmacology (Pharmacy 167–170)	4
Toxicology	2
	35
Total	108 or 106

FOUR-YEAR COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

FIRST, SECOND and THIRD YEARS—same as for three year curriculum—103 or 106 semester hours

FOURTH YEAR

	Semester Hours
Pharmacy 181–182	6
Chemistry 121–122	8
Zoology 121–122	8
Psychology 1–2	6
Foreign Language—Elective	6
	34
Total	142 or 140

REGULATIONS

AMOUNT OF WORK

Normal work for any year shall be that outlined under the head of Curriculum Requirements for the three-year course leading to the degree of Graduate in Pharmacy.

A student who wishes to take more than the normal amount of work may do so only with the permission of the scholarship committee, who shall be guided in their decision by his scholastic record and the extent to which he is employed outside of school.

A student on probation shall not be permitted to carry more than the normal amount of work.

A student shall not register concurrently in the School of Pharmacy and in any other school of this or another institution except by the consent of the authorities of both schools. Evaluation of credit for work done in the other school shall be at the discretion of the Committee on Advanced Standing.

GRADES

The following grades are given: A (90–100) excellent; B (80–89) good; C (70–79) average; D (60-69) passing; E (below 60) conditioned (not passing); F, failure; Inc., incomplete. A course failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given. As soon as possible after the close of the term a report is mailed to each student through the office of the Registrar. Grades are not given out by instructors. No student may repeat for credit a course in which he has received a mark above "E."

SCHOLARSHIP REQUIREMENTS

a. *Warning.* A student who makes a grade of "D" or below in more than one course shall be warned that he must improve his scholarship.

b. *Probation.* Students so warned who do not attain grades of "C" or better in three-fifths of their work in the succeeding semester shall be placed on probation.

A student removes his probation when he attains a grade of "C" or better in three-fifths of the work carried.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

c. *Dismissal.* A student who receives a grade of "E" or "F" in two courses in *two successive* semesters will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission.

Students dropped twice for poor scholarship will not be readmitted.

d. *Summer Session.* For the purpose of these rules a Summer Session will be considered a semester.

e. *Students with Limited Schedules.* In the case of students with limited schedules these rules will be applied only when the student has undertaken seventeen units or multiples thereof, unless he shall sooner fall under the penalty. That is, his case will be judged when he has undertaken seventeen units, again when he had undertaken thirty-four units, always excepting cases which fall under this penalty sooner.

Courses duly dropped or graded "Incomplete" and courses in Physical Education will not be considered in any way in computing standing or eligibility under the scholarship rules.

Scholarship Requirements for Graduation. See Requirements for degrees, page —.

Eligibility for Student Activities

a. A student warned or on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

b. Before a student may participate in any student activity, or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

c. A student may be declared ineligible to participate in any student activity by the Dean of The School of Pharmacy, when in the opinion of the Dean the student's participation in such activity is or would be detrimental to his own best interests or the interests of the University.

CHANGES AND WITHDRAWALS

After registration no student may change his program without the permission of the Dean and a charge of $2.00 will be made for each change. In case of withdrawal from the University prompt notice should be sent to the Dean. Notice to a professor of withdrawal from his class does not effect its discontinuance.

A student is held responsible for all the work for which he is registered. After the first two weeks of a semester he may not change or drop courses or change his status to that of auditor except: (a) on the advice of his physician, (b) change in the condition of employment, (c) necessary absence from the city, or (d) withdrawal from the University.

Changes in schedule from one section to another of the same course may be made at any time with the consent of the executive officer of the department. See regulations regarding changes and withdrawals on page 77.

EXAMINATIONS

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Scholarship Committee of the Faculty. For special examinations a fee of $5 will be charged for each subject.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year, fourth year.

To be advanced, a student must not fail in more than one major or two minor subjects.

OTHER REGULATIONS

Students in The School of Pharmacy are subject to the general University regulations, a statement of which will be found beginning on page 51.

THE SCHOOL OF GOVERNMENT

THE FACULTY†

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*

————————, *Dean of The School of Government.*

WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*

DEWITT CLINTON CROISSANT, PH.D., *Professor of English.*

TRUMAN MICHELSON, PH.D., *Professor of Ethnology.*

CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*

JOHN DONALDSON, PH.D., *Professor of Political Economy.*

JOSEPH S. ZUCKER, PH.D., B.S.C. IN ACCOUNTING, *Professorial Lecturer in Accounting.*

GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*

SAMUEL FLAGG BEMIS, PH.D., *Professor of History.*

EDWARD HENRY SEHRT, PH.D., *Professor of German.*

RICHARD NORMAN OWENS, PH.D., C.P.A., *Professor of Accounting and Business Administration.*

FRED AUGUST MOSS, PH.D., M.D., *Professor of Psychology.*

*ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*

HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*

MERLE IRVING PROTZMAN, A.M., *Associate Professor of Romance Languages.*

WARREN REED WEST, PH.D., *Associate Professor of Political Science.*

JOHN ALBERT TILLEMA, PH.D., *Assistant Professor of Political Science.*

LOWELL JOSEPH RAGATZ, PH.D., *Assistant Professor of History.*

WILLIAM STULL HOLT, PH.D., *Assistant Professor of Political Science.*

CECIL KNIGHT JONES, B.LITT., *Lecturer in Spanish American Literature.*

CHARLES ELMER RESSER, PH.D., *Lecturer on Geography.*

GEORGE LESLIE FARNHAM, A.B., B.D., *Lecturer in Public Speaking.*

RAINARD BENTON ROBBINS, PH.D., *Lecturer on Insurance.*

CYRIL BRYCE UPHAM, PH.D., LL.B., *Lecturer on Commercial and Maritime Law.*

FORREST ALBERT YOUNG, A.M., *Instructor in Economics.*

FRANK MCGINLEY PHILLIPS, PH.D., *Associate in Statistics.*

INTRODUCTORY STATEMENT

OBJECTIVE

The purpose of The School of Government is to help men and women to prepare for public service. The school will impart a knowledge of history and economics, information on the structure and function of government, and an understanding of social organization.

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*On leave 1929-1930.

†Arranged, with the exception of the President and Dean, in the order of collegiate seniority.

The members of the faculty and the students will work together in developing mastery of expression, skill in the use of foreign languages, and in the handling of statistics. They will gather facts and learn how to detect fallacies and how to draw valid conclusions. Together they will read the cases and statutes, and the literature. The methods of historians and of political scientists will be evaluated. The test of the objective will be found in the work of the students.

ADMISSION REQUIREMENTS

Candidates for admission to the Freshman Class must submit 15 units of accredited secondary school work which shall include:

English, 3 units; Foreign Language, 2 units (both in the same language); Algebra, 1 unit; Plane Geometry, 1 unit; Electives, 8 units.

For general regulations regarding admission and filing of credentials and description of prescribed studies, see page 51.

REGISTRATION

See page 57.

FEES

The following fees are prescribed by statute:

1. University Fee:	
For each semester or any part thereof	$6.00
2. Tuition:	
For each semester hour credit of courses taken	7.00
3. Examination Fees:	
For entrance, in one subject	5.00
In more than one subject	10.00
4. Graduation Fee	15.00
5. Physical Education Fee:	
For undergraduate women for official uniform	10.00
6. Late Registration Fee	5.00
7. Reinstatement Fee	4.00
8. Change Fee	2.00

9. Laboratory Fees, see page 59.

FINANCIAL REGULATIONS

See page 62.

SCHOLARSHIPS AND LOAN FUNDS

The following scholarships may be assigned in The School of Government: Byron Andrews Scholarship Fund; Maria M. Carter Scholarship; Citizens' Military Training Camp Scholarship; Columbian Women Scholarships;

Davis Scholarships; Farnham Scholarship; Elma Lewis Harvey Scholarship; Morehouse Scholarship; Davis Spencer Scholarship Fund; Walker Scholarship; Withington Scholarship; Woodhull Scholarship.

For particulars of application and award and information concerning loan funds see page 64.

THE DEGREE

On the satisfactory completion of the prescribed course of study the degree of Bachelor of Arts in Government is conferred.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

General Requirements. Candidates for degrees must satisfy the admission, residence, scholarship, physical education and curriculum requirements, including 124 semester hours of work.

Residence. At least 30 semester hours, or 24 semester hours in the combined courses, and one year in residence must be completed in The School of Government. Residence may be satisfied, in whole or in part, in the Summer Session, by periods aggregating not less than thirty weeks.

Scholarship. At least as many quality points as hours of credit are required for graduation. Quality points are figured as follows: A, 3 points; B, 2 points; C, 1 point; D, 0 points, for each semester hour of credit.

Physical Education. The physical education requirement consists of the prescribed freshman and sophomore assignments (see Announcement of Physical Education Courses), to be taken in the freshman and sophomore years by all students.

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year, and not later than thirty days before the date of graduation.

CURRICULUM REQUIREMENTS

GENERAL COURSE IN GOVERNMENT

LOWER DIVISION

FIRST YEAR

	Semester Hours
English	6
Political Science	6
[1]Modern Language	6
[2]Biological Science	6
Geography	6
Physical Education	2
	32

	Semester Hours
SECOND YEAR	
[2]European History	6
Economics, Principles of	6
[2]Physical Science (Mathematics and Statistics included)	6
Psychology	6
[1]Modern Language	6
Physical Education	2
	32
UPPER DIVISION	
THIRD YEAR	
History	6
Political Science (Preferably European Governments)	6
Philosophy	6
Economics	6
Electives	6
	30
FOURTH YEAR	
International Law or International Relations	6
Constitutional Law, American Legislatures, Political Theory, Municipal Government (any two)	6
Economics	6
History	6
Electives	6
	30
Total	124

Electives Recommended:

Commercial Law
Maritime Law
Ethnology
Modern Languages
English, the courses in composition and literature preferred
Geography

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[1] A student offering four years of a single modern language for admission is not required to take any foreign language. If he offers two or three years of a single modern language he must take one year of the same language. If he offers no modern language he must take two years of a modern language in college.

[2] An elective may be substituted for this course if approved by the Dean.

Library Science
Public Speaking
Psychology
Public Health

Any of the courses in Economics, History, Political Science, and Social Service.

FOREIGN SERVICE COURSE

The purpose of the Foreign Service Course is to prepare students for the Diplomatic and Consular Service in the Department of State, for the Foreign Trade Service of the Department of Commerce, and for the export and import business of the United States.

Excellence and thoroughness of work will enable the student to meet advantageously the severe competition which he will encounter. A modern language should be mastered so that the student can read, write, and converse in it. He is advised to supplement his class room work with at least a summer's sojourn in the country which uses the student's chosen language as the mother tongue.

LOWER DIVISION

FIRST YEAR

	Semester Hours
English	6
Modern Language	6
Modern European History	6
Political Science	6
English History	6
Physical Education	2
	32

SECOND YEAR

Economics, Principles of	6
Modern Language	6
History of the United States (preferably diplomatic)	6
English Composition	6
Principles of Accounting	6
Physical Education	2
	32

UPPER DIVISION

THIRD YEAR

Commercial and Maritime Law	4
Commercial Geography	6

	Semester Hours
International Law	6
Political Science (Preferably European Governments and International Relations)	12
Electives	8
	30

FOURTH YEAR

Economics (Money and Banking, International Finance, Foreign Trade or International Economic Relations)	9
History (Preferably, Modern Colonization)	3
Far East, Latin American History or Government	6
Electives	12
	30
Total	124

Electives Recommended

Sociology
Public Speaking
Social Psychology
Commerce
Economics
Ethnology
Geography
History
Political Science

The following courses offered by The Law School may be taken as electives by students who have had at least two years of law in an approved law school:

Administrative Law
Conflict of Laws
Municipal Corporations

If a student is a graduate of an approved law school he may elect the course in Roman Law.

FOREIGN SERVICE—DEPARTMENT OF STATE

An act of Congress of May 24, 1924, provides for the reorganization of the Foreign Service, and consolidates the Consular and Diplomatic services so far as status of personnel and requirements for entrance are concerned. A bulletin entitled "American Foreign Service" reads, in part, as follows:

"Scope of Examination: The examination will be in two parts, one written and the other oral, each part counting equally. The written examination will include the subjects prescribed by the President, to wit: Modern languages (French, Spanish, or German is required, and a candidate may offer, in the oral test, in addition to one of these any languages with which

he may be familiar); elements of international, commercial, and maritime law; political and commercial geography; the natural, industrial, and commercial resources and commerce of the United States with especial relation to the possibilities of trade expansion and protection; American history, government and institutions; the history since 1850 of Europe, Latin America, and the Far East, with particular attention to political and economic tendencies; and the elements of political economy. Candidates will be examined in arithmetic as used in commercial statistics, tariff calculations, exchange and simple accounting, and they will be rated in English, composition, grammar, punctuation, spelling, and penmanship as shown by their replies to questions in the written examination.

"The oral examination will be designed to ascertain the physical, mental, and temperamental qualifications of candidates for the proper performance of the duties of the Foreign Service; their character, ability, address, judgment, and fitness, general education and culture, and contemporary information, experience and business ability."

FOREIGN SERVICE—DEPARTMENT OF COMMERCE

A bulletin entitled "Appointments to Positions at Home and Abroad in the Bureau of Foreign and Domestic Commerce," with reference to "Qualification Standards," reads, in part, as follows:

"Some of the requirements may be enumerated as follows:

"(f) Knowledge of the fundamental principles as well as the practical routine and the chief problems of international trade.

"(g) General knowledge of the history, institutions, and present economic conditions of the country in which the assignment is made.

"(h) Thorough understanding of the principles of political economy and their application to domestic and foreign commerce.

"(i) A broad knowledge of the resources of the United States and familiarity with the industrial development of the country in its relation to the export trade.

"(j) Some knowledge of international law, diplomatic procedure, and the methods and regulations of government departments and bureaus is desirable."

HOURS OF INSTRUCTION

There are morning and afternoon sections in most courses, so that students may take work during the forenoon and early afternoon or in the periods between 5:10 and 7:00 o'clock. By taking the late afternoon and summer classes, and by extending the time of study beyond the customary four years, a student able to give only a limited amount of time to college work may complete the full course and obtain a degree.

The courses of instruction offered will be found listed in alphabetical order beginning on page 212.

REGULATIONS

AMOUNT OF WORK

1. 15 units, not including Physical Education, constitute normal work. Students in good standing desiring to take two, four, or five unit courses may be permitted by the Dean to take 16 or 17 units. Freshmen are not permitted to take more than 16 units, in addition to Physical Education, for credit in their first semester.

2. Students with an average of "A" or "B" may with the permission of the Dean take 18 or 19 units. No student may take more than 19 units except by special permission of the Scholarship Committee of the School.

3. For employed students, working more than 24 hours per week, nine units, not including Physical Education, is normal work. Employed students in good standing desiring to take four unit courses may be permitted by the Dean to take ten units. Employed students who have maintained an average of "B" in the preceding semester may be permitted by the Dean to take 12 or 13 units.

4. A student shall not register concurrently in The School of Government and in any other school of this or another institution except by the consent of the authorities of both schools. Allowance of credit for work done concurrently shall be at the discretion of the Committee on Advanced Standing.

GRADES

The following grades are given: A (90–100), excellent; B (80–89), good; C (70–79), average; D (60–70), passing; E (below 60), conditioned (not passing); F, failure; Inc., incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above "D" is given. As soon as possible after the close of the term a report is mailed to each student through the office of the Registrar. Grades are not given out by instructors.

SCHOLARSHIP REGULATIONS

Poor Scholarship

Probation. A student must maintain a total number of quality points within 5 of the total number of hours attempted or he will be placed on probation. A student remains on probation as long as he is more than 5 points behind.

Dismissal. A student who receives a grade of E or F in two courses in *two successive* semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, shall be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission.

Students dropped twice for poor scholarship will not be readmitted.

Summer Session. For the purpose of these rules a Summer Session shall be considered a semester.

Students with Limited Schedules. In case of students with limited schedules these rules shall be applied only when the student has undertaken 15 units or multiples thereof, unless he shall sooner fall under the penalty. That is, his case will be judged when he has undertaken 15 units, again when he has undertaken 30 units, always excepting cases which fall under this penalty sooner.

Courses duly dropped or graded "Incomplete" and courses in Physical Education shall not be considered in any way in computing standing or eligibility under the Scholarship rules.

Scholarship Requirements for Graduation. See "Requirements for the Degree of Bachelor of Arts," page 171.

Eligibility for Student Activities

A. A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

B. Before a student may participate in any student activity, or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

C. A student may be declared ineligible to participate in any student activity by the Dean of the School when in the opinion of the Dean the student's participation in such activity is or would be detrimental to his own best interests or the interests of the University.

CHANGES IN COURSE

1. A student desiring to change a course must secure the permission of the Dean.

2. A student is held responsible for all the work for which he is registered. After the first two weeks of a semester he may not change or drop courses or change his status to that of auditor, except (a) on the advice of his physician, (b) change in the condition of employment, (c) necessary absence from the city, or (d) withdrawal from the University.

3. Changes in schedule from one section to another of the same course may be made at any time with the consent of the department chairman.

See also page 77.

WITHDRAWAL

In case of withdrawal from the School, students should send prompt notice to the Dean. Notice to an instructor of withdrawal from his course does not effect its discontinuance. See also pages 63 and 77.

CLASSIFICATION OF STUDENTS

Students are divided into classes as follows:

Freshman: a student who has less than 32 semester hours to his credit.

Sophomore: a student who has earned 32 semester hours of credit.

Junior: a student who has earned 64 semester hours of credit.

Senior: a student who has earned 94 semester hours of credit.

OTHER INFORMATION AND REGULATIONS

Students in The School of Government are subject to the general University regulations as stated beginning on page 51.

THE DIVISION OF LIBRARY SCIENCE

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*

ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science, Director.*

ERNEST CUSHING RICHARDSON, PH.D., *Professorial Lecturer in Library Science.*

GEORGE FRANKLIN BOWERMAN, A.B., B.L.S., L.H.D., *Professorial Lecturer in Library Science.*

ELIZABETH A. LATHROP, A.B., *Assistant Professor of Library Science.*

CLARIBEL RUTH BARNETT, PH.B., B.L.S., *Lecturer in Library Science.*

CLARA WELLS HERBERT, *Lecturer in Library Science.*

ELIZABETH ORLAN CULLEN, M.S., *Lecturer in Library Science.*

BELKNAP SEVERANCE, A.B., *Associate in Library Science.*

ADMISSION

Requirements. The Certificate of Junior Standing from Columbian College or its equivalent will be accepted for admission to The Division of Library Science. It is recommended that students expecting to enter the division should have at least two years of either French or German, courses in general psychology and principles of sociology, and a knowledge of typewriting.

Careful consideration will be given to the aptitude and personal qualifications for library work of all applicants. In general, an applicant over thirty-five years of age is not encouraged to enter training for service in public libraries.

Advanced Standing. Advanced standing will be allowed for courses taken in accredited colleges. Library experience will not be given credit toward graduation. However, students with professional experience may be released from the practice work required in connection with class-room instruction.

Special Students. Persons not candidates for degrees may do the work as special students. Such students must be 21 years of age and satisfy the department of their fitness to undertake the course.

For further regulations regarding admission and filing of credentials, and description of the prescribed studies, see page 51.

REGISTRATION

See page 57.

FEES

The following fees are prescribed by statute:

1. University Fee:	
For each semester or any part thereof	$6.00
2. Tuition:	
For each semester hour credit of courses taken	7.00
Special course fees:	
Zoology 145–146, Bacteriology	60.00
147, Clinical Microscopy	40.00
148, Pathology	40.00
3. Examination Fees:	
For entrance, in one subject	5.00
In more than one subject	10.00
4. Graduation Fee	15.00
5. Physical Education Fee:	
For undergraduate women for official uniform	10.00
6. Late Registration Fee	5.00
7. Reinstatement Fee	4.00
8. Change Fee	2.00
9. Material Fee	2.00

10. Laboratory Fees, see page 59.

FINANCIAL REGULATIONS

See page 62.

SCHOLARSHIPS AND LOAN FUNDS

The following scholarships may be assigned to students in The Division of Library Science:

Columbian Women Scholarships; Elma Lewis Harvey Scholarship; Woodhull Scholarship.

For particulars of application and award and information regarding loan funds, see page 64.

DEGREE AND COURSE

The courses in Library Science are designed to give students professional training that will prepare them to enter upon the active library service work. A two-year upper division curriculum, in combination with the required lower division work, leads to the degree of Bachelor of Arts in Library Science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

General Requirements. To be recommended for a degree the candidate must have obtained the certificate of junior standing and satisfied the residence and the curriculum requirements of the Division, which include sixty semester hours of work.

Residence. Of the 124 semester hours in the lower and upper divisions required for graduation, at least 30 must be taken in The Division of Library Science. Residence may be satisfied in the Summer Session by periods aggregating not less than 30 weeks.

Scholarship. Two-thirds of the total number of semester hours of work required for graduation must be passed with a grade of "C" or higher.

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULUM REQUIREMENTS

The curriculum is planned for students electing Library Science as a major. In order to do full justice to his work, the librarian must have a reading knowledge of French and German, and in order to be able to direct the educational features of his profession, he must know the principles of educational theory and psychology; and in order rightly to understand the social and cultural aspects of his service, he must know sociology, ethnology and evolution, as well as be familiar with comparative literature and art. The curriculum as outlined combines all these features with the fundamental subjects that every broadly educated person must know. The courses in Library Science are all basic and arranged in progressive sequence.

CURRICULUM REGULATIONS

1. College graduates satisfying the language and other curriculum requirements, may complete the course either in two years, or in one Summer Session and one year, and receive the degree of Bachelor of Arts in Library Science.

2. *Basic Courses.* In the technical phase of Library Science, cataloguing and classification go together and precede all other courses, as they are involved in all other branches of library work.

3. *Major Subjects.* In addition to the major in Library Science, it is recommended that students choose as electives courses in some one field of study which shall constitute a secondary major.

4. *Required Courses.* A reading knowledge of French and German is required.

5. *Elective Courses.* When choice is indicated in the curriculum, the selection depends on the student's previous course of study, or his special preference. If a student presents satisfactory credit for a required course, an elective, subject to the approval of the Director, may be substituted.

THIRD YEAR

	Semester Hours
Library Science 101–102	6
Library Science 121–122	6
Library Science 131	6
Sociology 111–112	6
Graphic Art 111–112 or 113–114	4
Elective	2
Total	30

FOURTH YEAR

	Semester Hours
Library Science 135	3
Library Science 136	3
Education 169-170	6
Language or Literature	6
Ethnology, Evolution or Advanced Science	6
Electives	6
Total	30

COURSES OF INSTRUCTION

Equal time units in both practice and experience in the University Library go with the periods of class-room instruction and discussion, and constitute integral parts of the course.

Practice. Students who have had adequate library experience will be released from this requirement. A limited number of students, who have the qualifications and personality necessary for that service, will gain their experience in the Public Library of the District of Columbia; and a few others in special libraries, both governmental and institutional.

The graduate courses will be conducted with the cooperation of the Committee on Library Training of the District of Columbia Library Association, in part, at the Library of Congress under the immediate supervision of the Consultant in Bibliography and Research; in part, at the Public Library under the supervision of the Librarian; and in part at several of the great special libraries in Washington under the direction of the Committee itself. Students will enjoy the advantage not only of becoming familiar with the administration and distinguishing characteristics of some of the most highly specialized libraries in America, but also of expert guidance and personal contact with outstanding men and women of the library profession.

Courses Offered. The courses of instruction offered will be found listed in alphabetical order beginning on page 212.

REGULATIONS

AMOUNT OF WORK

The normal program of studies for full-time students is indicated under "Curriculum Requirements." Nine hours a week, not including Physical Education, constitute a normal program of work for students with limited schedules.

GRADES

The following grades are given: A, excellent; B, good; C, average; D, passing; E, conditioned (not passing); F, failure; and Inc., incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above D is given.

Grades stand on the records as reported by the instructors. Except in the cases of courses reported "incomplete" and conditions, no grades can be changed.

SCHOLARSHIP REGULATIONS

Penalties for poor scholarship

1. *Dismissal*

(a) A full-time student (one taking 12 hours or more per week), who fails in more than half of his work during any one semester, shall be subject to be dropped. A part-time student who fails in more than half of his work during any two successive semesters, shall be subject to be dropped.

(b) A student who is subject to be dropped for poor scholarship shall be allowed 10 days in which to appeal his case to the Scholarship Committee through the Director. This committee shall investigate the causes of his failure and if these appear to be remediable and the student appears likely to succeed in his scholarship thereafter the committee may place him on probation.

(c) After an interval of one semester a student who has been dropped may apply for readmission. This application must be made to the Scholarship Committee through the Director of the Division.

2. *Probation.*

(a) A student whose scholarship stands "C" or higher in less than two-thirds of the entire work attempted by him but who does not come under Rule (a) above, shall be placed on probation. A student shall be taken off probation after he has attained a grade of "C" or higher in at least two-thirds of the work attempted by him. A student

who has been on probation for two successive semesters shall be subject to be dropped.

(b) A student on probation shall discontinue all courses in which he has failed and he shall not be permitted to take over 15 hours if a full-time student, or over nine hours if a part-time student.

3. *Eligibility for participation in student activities.*

While on probation he shall not represent the University on its athletic teams or in any other intercollegiate activities, nor shall he serve as an officer or member of a committee in any class or student organization.

4. *Scholarship Requirements for Graduation.*

See "Requirements for the Degree of Bachelor of Arts," page 195.

CHANGES AND WITHDRAWALS

After registration no student may change his program without the permission of the Director of the Division and a charge of $2.00 will be made for each change. In case of withdrawal from the University prompt notice should be sent to the Director. Notice to an instructor of withdrawal from his class does not constitute due notice. See also pages 63 and 77.

CLASSIFICATION AND ADVANCEMENT

Students are classified as juniors and seniors, and are advanced from class to class when the curriculum requirements of the various classes are satisfactorily completed.

GRADUATE WORK

The Division will accept a few candidates for the Master of Arts degree in Library Science when it is felt that it can offer training commensurate with the dignity of the degree. To be admitted to graduate standing a student must have previously completed the required thirty hours of undergraduate courses in Library Science and hold a baccalaureate degree. Such students as undertake graduate work in Library Science will confer with the Director of the Division concerning course and thesis requirements.

REGULATIONS

Students in the Division of Library Science are subject to the general University regulations, statement of which will be found beginning on page 51.

THE DIVISION OF FINE ARTS

THE FACULTY*

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*

————————, *Director of The Division of Fine Arts.*

ALBERT BURNLEY BIBB, *Professor of the History of Art and Architecture.*

NORRIS INGERSOLL CRANDALL, M.ARCH., *Professor of Architecture.*

ALBERT LEWIS HARRIS, B.S. IN ARCH., *Professorial Lecturer in Architecture.*

DELOS HAMILTON SMITH, M.S. IN ARCH., *Professorial Lecturer in Architecture.*

GEORGE RICHARD ROBERTS, A.M., LL.B., C.E., *Lecturer in Architecture.*

DONALD CHENOWETH KLINE, B.ARCH., *Instructor in Architecture.*

SAMUEL BURTIS BAKER, *Associate in Drawing and Painting.*

EUGEN WEISZ, *Associate in Graphic Art.*

MARIE ESTELLE WALCOTT, A.M., *Associate in Graphic Art.*

GENERAL STATEMENT

SPECIAL EQUIPMENT

Library. The library contains about 2,000 volumes including most of the standard works on architecture, sculpture and painting; the Russell Sturgis collection of 7,500 carefully selected photographs of architecture, sculpture and painting; and the important architectural and art periodicals. The library rooms are adjacent to the drafting rooms.

The general library is also available to the students of this division.

The Library of Congress, one of the most complete collections in this country, is also available to the student. Books may be borrowed for use in the library of the Division.

Art Collections. The National Gallery of Art, housed in the National Museum, the Freer Gallery of Art, and the Corcoran Gallery of Art, as well as the extensive collection of prints in the Library of Congress are all available to the student.

ADMISSION REQUIREMENTS

Candidates for admission to the Freshman Class are required to present 15 units of accredited secondary school work as follows:

I *For the Architecture Course:*

English, three units; Foreign Language, preferably French, two units; Physics, one unit; Chemistry, one unit; Plane and Solid Geometry, one and one-half units; Elementary and Advanced Algebra, two units; Plane Trigonometry, one-half unit; Electives, four units.

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*Arranged, with the exception of the President and Director, in the order of collegiate seniority.

II *For the Course in Graphic Art:*

English, three units; Foreign Language, two units (both in the same language); Algebra, one unit; Plane Geometry, one unit; Electives, eight units.

III *Special Students and Auditors:*

(a) The requirements for admission as special students are the same as for regular students. They may take any course for which they have the stated prerequisites.

(b) The Director may accept some students of mature experience as auditors who do not have the entrance requirements. No University credit will be given for any course at any time taken as an Auditor.

For general regulations regarding admission and filing of credentials and description of prescribed studies, see page 51.

REGISTRATION

All schedules must be approved by the Director of the Division.
For information regarding registration procedure, see page 57.

FEES

The following fees are prescribed by statute:

1. *University Fee:* For each semester or any part thereof	$6.00
2. *Tuition:* For each semester hour credit of courses taken	7.00
3. *Examination Fees:* For entrance, in one subject	5.00
In more than one subject	10.00
4. *Graduation Fee*	15.00
5. *Physical Education Fee:* For undergraduate women, for official uniform	10.00
6. *Late Registration Fee*	5.00
7. *Reinstatement Fee*	4.00
8. *Change Fee*	2.00
9. *Beaux Arts, Registration Fee,* per year for one or more of the following: Architecture 27, 28, 125, 126, 127, 128	8.00
10. *Drawing Room Fees,* per course in Architecture 1, 2, 4, 25, 26, 27, 28, 125, 126, 127, 128, 141, 142	4.00
Graphic Art 1, 2, 3, 4, 5, 6, 21, 22, 101, 102, 103, 104, 105, 106, 121, 122	3.00

11. Laboratory Fees, see page 59.

FINANCIAL REGULATIONS

See page 62.

SCHOLARSHIPS AND LOAN FUNDS

The following scholarships may be assigned to students in The Division of Fine Arts:

Citizens' Military Training Camp Scholarship; Columbian Women Scholarships (Nellie Maynard Knapp Scholarship Fund, Founders of Columbian Women Scholarship, Third Columbian Women Scholarship); Elma Lewis Harvey Scholarship; Woodhull Scholarship.

For particulars of application and award and information regarding loan funds, see page 64.

DEGREES AND COURSES

The Division of Fine Arts is composed of:

Department of Architecture, which offers a four-year professional course leading to the degree of Bachelor of Architecture.

Department of Graphic Art, which offers courses in which the student may earn the degree of Bachelor of Arts with a major in Art.

REQUIREMENTS FOR DEGREES

Requirements. To be recommended for a degree the candidate must have satisfied the admission, residence, physical education, and scholarship requirements and have completed the course of study prescribed. For the degree of Bachelor of Architecture, 140 semester hours of credit are required. For the degree of Bachelor of Arts, 124 semester hours of credit are required.

Residence. Of the total number of semester hours work required for the degree of Bachelor of Architecture, 36 must be completed in The Division of Fine Arts; of the work required for the degree of Bachelor of Arts, 30 must be completed in The Division of Fine Arts.

Physical Education. The physical education requirement consists of the prescribed freshman and sophomore assignments (see Announcement of Physical Education Courses), to be taken in the freshman and sophomore years by all students in the Department of Graphic Art taking three or more courses.

Scholarship. Two-thirds of the total number of hours required for graduation must be of at least "C" grade.

Application for Graduation. Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULUM REQUIREMENTS

COURSE LEADING TO THE DEGREE OF BACHELOR OF ARCHITECTURE

	Semester Hours 1st sem.	2nd sem.
FRESHMAN YEAR		
Architecture 1–2	1	1
Architecture 4	–	2
Architecture 11–12	2	2
Architecture 25–26	2	3
Architecture 23–24	1	1
Graphic Art 1–2	2	2
Graphic Art 5–6	1	1
Mechanical Engineering 5	3	–
Mathematics 15–16	3	3
French	3	3
	18	18
SOPHOMORE YEAR		
Architecture 27–28	4	4
Architecture 111–112	2	2
Architecture 13–14	1	1
Graphic Art 3–4	2	2
Graphic Art 21–22	2	2
Civil Engineering 43–44	3	3
English 1–2	3	3
	17	17
JUNIOR YEAR		
Architecture 125–126	6	6
Architecture 131–132	3	3
Architecture 133–134	2	2
Graphic Art 101–102	2	2
Graphic Art 105–106	1	1
Graphic Art 121–122	1	1
Economics 1–2	3	3
	18	18
SENIOR YEAR		
Architecture 127–128	6	6
Architecture 141–142	2	2
Architecture 143–144	1	1

	Semester Hours	
	1st Sem.	2nd Sem.
Architecture 145–146	1	1
Graphic Art 103–104	2	2
Graphic Art 111–112	2	2
Elective	3	3
	17	17
Total		140

COURSE IN GRAPHIC ART LEADING TO THE DEGREE OF BACHELOR OF ARTS

	Semester Hours
FRESHMAN YEAR	
English 1–2	6
Foreign Language	6
History 21–22	6
Mathematics or Natural Science	6
Graphic Art 1–2	4
Graphic Art 5–6	2
Physical Education	2
	32
SOPHOMORE YEAR	
English 51–52 or 91–92	6
Foreign Language	6
History 35–36	6
Architecture 2	1
Architecture 23	1
Graphic Art 3–4	4
Graphic Art 21–22	4
Graphic Art 105–106	2
Physical Education	2
	32

JUNIOR AND SENIOR YEARS

The work of the junior and senior years is elective subject to the following restrictions:

1. All programs must be approved by the Director.
2. The following courses must be included:
   Architecture 11–12, 13–14, 111–112
   Graphic Art 101–102, 103–104, 111-112, 121–122

3. Not less than 30 semester hours of the 124 required for graduation must be taken in second and third section courses (numbered above 100).

COURSES OF INSTRUCTION

The courses of instruction offered will be found listed in alphabetical order beginning on page 212.

REGULATIONS

AMOUNT OF WORK

The normal program of studies for full-time students is indicated in the statement of curriculum requirements. Students with limited schedules will take a proportionately longer time to complete the courses.

GRADES

All drawing room courses (see courses listed under Drawing Room Fees, page 200) are given the following grades:

Points for each credit week are awarded at the end of each problem period as follows: AA—10; A—9; B—8; C—7; D—6; E—5; F—4 or less. Advancement is made when the student receives 100 points. Points have the following values: A—4; B—3; C—2; D, E, F—1. The following University grades are given on values received: D—100–149; C—150–249; B—250–349; A—350–400.

The following grades are given in all other courses: A—90–100; B—80–89; C—70–79; D—60–69; E, conditioned; F, failed; Inc., incomplete.

"Incomplete" is a temporary grade which may be removed by meeting the conditions set by the instructor when the grade is reported. An "E" may be changed to a "D" within one year by meeting the conditions set by the instructor. In order to obtain credit for a course in which the grade "F" is received, the course must be repeated.

SCHOLARSHIP REGULATIONS

1. *Graduation Requirement.* See "Requirements for Degrees," page 201.

2. A student taking 12 semester hours or more who fails in more than half of his work during any one semester, shall be subject to be dropped. A student taking less than 12 semester hours who fails in more than half of his work during any two successive semesters, shall be subject to be dropped.

3. A student whose scholarship stands "C" or higher in less than two-thirds of the work attempted by him shall be placed on probation. A student shall be taken off probation after he has attained a grade of "C"

or higher in at least two-thirds of the work attempted by him. A student who has been on probation for two successive semesters shall be subject to be dropped.

4. After an interval of one semester a student who has been dropped may apply for readmission.

ATTENDANCE

Regular attendance is required in all classes.

CHANGES AND WITHDRAWALS

After registration changes in program may be made only with the permission of the Director of the Division, and a charge of $2.00 is made for each change. In case of withdrawal from the University prompt notice should be sent to the Director. Notice to an instructor of withdrawal from his course does not effect its discontinuance. See also pages 63 and 77.

CLASSIFICATION AND ADVANCEMENT

Students are classified as freshmen, sophomores, juniors and seniors. Advancement from class to class takes place when the students have completed the work assigned to the various years. (See "Curriculum Requirements.")

CONDUCT

Any student whose character or conduct is deemed harmful to the Division is subject to dismissal at any time from any course or from the University, whatever his scholarship record may be. Suspension for misconduct forfeits the right to compete for the school awards and the rebate of tuition paid for the current term.

LIBRARY BOOKS

Students are held responsible for any books removed from the Library and will be required to pay for loss, mutilation or damage done.

REGULATIONS

Students in The Division of Fine Arts are subject to the general University regulations which will be found listed beginning on page 51.

THE SUMMER SESSIONS
1929

THE FACULTY

CLOYD HECK MARVIN, PH.D., LL.D., *President of the University.*
ELMER LOUIS KAYSER, A.M., *Director of the Summer Sessions.*

WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*
GEORGE NEELY HENNING, A.M., LITT.D., *Professor of Romance Languages.*
ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science.*
RAY SMITH BASSLER, PH.D., *Professor of Geology.*
DE WITT CLINTON CROISSANT, PH.D., *Professor of English.*
CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*
JOHN RAYMOND LAPHAM, M.S. IN C.E., *Professor of Civil Engineering.*
OWEN BERT FRENCH, C.E., *Professor of Civil Engineering.*
HENRY GRATTAN DOYLE, A.M., *Professor of Romance Languages.*
HECTOR GALLOWAY SPAULDING, A.B., LL.B., S.J.D., *Professor of Law.*
ROBERT FISKE GRIGGS, PH.D., *Professor of Botany.*
JOHN DONALDSON, PH.D., *Professor of Political Economy.*
GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*
EARL CASPAR ARNOLD, A.B., LL.B., *Professor of Law.*
WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law.*
NORRIS INGERSOLL CRANDALL, M.ARCH., *Professor of Architecture.*
COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry.*
EDWARD HENRY SEHRT, PH.D., *Professor of German.*
JESSIE ELIZABETH LASALLE, A.M., *Professorial Lecturer in Education.*
RICHARD NORMAN OWENS, PH.D., C.P.A., *Professor of Accounting and Business Administration.*
ADOLPH EDWARD ZUCKER, PH.D., *Visiting Professor of German.*
(University of Maryland)
ROLVIX HARLAN, PH.D., D.D., *Visiting Professor of Sociology.*
(University of Richmond)
THOMAS CLAFFEY LAVERY, A.B., LL.B., *Visiting Professor of Law.*
(University of Cincinnati)
HORACE EUGENE WHITESIDE, A.B., LL.B., S.J.D., *Visiting Professor of Law.*
TENJES HENRY SCHUTTE, PH.D., *Visiting Professor of Education.*
(Woman's College of Alabama)
ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*
ROBERT WHITNEY BOLWELL, PH.D., *Associate Professor of English.*
WALTER LYNN CHENEY, PH.D., *Associate Professor of Physics.*
FRED AUGUST MOSS, M.D., PH.D., *Associate Professor of Psychology.*
JAMES HENRY PLATT, M.E., *Associate Professor of Mechanical Engineering.*

J. Orin Powers, Ph.D., *Associate Professor of Education.*
Harold Griffith Sutton, A.B., M.S., *Associate Professor of Economics.*
William Armstrong Hunter, A.B., LL.M., *Associate Professor of Law.*
William Thomas Fryer, A.B., LL.B., J.D., *Assistant Professor of Law.*
Merle Irving Protzman, A.M., *Assistant Professor of Romance Languages.*
Ralph Baxter Foster, A.M., *Assistant Professor of Romance Languages.*
John Albert Tillema, Ph.D., *Assistant Professor of Political Science.*
Saul Chesterfield Oppenheim, A.M., J.D., *Assistant Professor of Law.*
Audley Lawrence Smith, A.M., *Assistant Professor of English.*
Lowell Joseph Ragatz, Ph.D., *Assistant Professor of History.*
William Stull Holt, Ph.D., *Assistant Professor History.*
Francis Edgar Johnston, Ph.D., *Assistant Professor of Mathematics.*
John Rydjord, Ph.D., *Visiting Assistant Professor of History.*
(University of Wichita)
Courtland Darke Baker, A.M., *Instructor in English.*
Benjamin Douglass Van Evera, M.S., *Instructor in Chemistry.*
William James Berry, M.S., E.Met., *Instructor in Mathematics.*
Jesse Virgil Mauzey, A.M., *Visiting Instructor in Philosophy.*
(Columbia University)
John Russell Mason, A.M., *Assistant Librarian.*
Forrest Albert Young, A.M., *Instructor in Economics and Commerce.*
Edward Porter Henderson, M.S. in Chem., *Instructor in Geology.*
Donald Chenoweth Kline, B.Arch., *Instructor in Architecture.*
Thelma Hunt, Ph.D., *Instructor in Psychology.*
Eugen Weisz, *Associate in Graphic Art.*
Arthur John M. Johnson, Ph.D., *Instructor in Physics.*
Bernice Randall Angelico, A.B., *Instructor in Music.*
June Cooper, A.B., *Associate in Botany.*
William Thomas McCloskey, A.B., *Associate in Zoology.*
Charles Garfield Eichlin, E.E., *Associate in Physics.*
Belknap Severance, A.B., *Associate in Library Science.*
Marie E. Walcott, A.M., *Associate in Graphic Art.*
Elizabeth Parker, A.B., *Associate in Zoology.*

ASSISTANTS IN INSTRUCTION

Kenneth Goodemoot, A.B., *Fellow in Chemistry.*
Elizabeth Margaretha Hewston, B.S., *Fellow in Chemistry.*
Carey Birdsong Jackson, B.S., *Fellow in Chemistry.*

GENERAL STATEMENT

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses given during the regular session. Courses are offered in Columbian College, The Graduate School of Letters and Sciences, The Law School, The School of Engineer-

ing, The School of Education, The School of Government, The Division of Library Science, and The Division of Fine Arts.

The Summer Sessions offer to students an opportunity to continue University work during the summer period. For teachers and librarians a wide range of professional courses is available.

ADMISSION

See page 51.

REGISTRATION

Registration period for the Summer Sessions:

Students in Columbian College, The Graduate School of Letters and Sciences, The School of Engineering, The School of Education, The School of Government, The Division of Library Science and The Division of Fine Arts will register in Corcoran Hall, 725 21st Street N.W. The time for registration is as follows: from 8 A. M. to 12 and 2 P. M. to 6 P. M., June 14 and 15 for the nine-weeks term, and June 28 and 29 for the six-weeks term.

Registration for credit in any classes offered by Columbian College, The Graduate School of Letters and Sciences, The School of Engineering, The School of Education, The School of Government, The Division of Library Science or The Division of Fine Arts closes three days after the class has started, and no change in program will be permitted after that time. For registration procedure in The Law School consult the announcement of the School.

The Summer Sessions constitute a regular short term of the University. Students dropped or suspended from any department of the University for any reason may not register in the Summer Sessions during the period of suspension.

FEES AND EXPENSES

All fees are payable at the office of the Comptroller, 2033 G Street N.W.

A statement of the fees and regulations in The Law School will be found in the announcement of the School. The fees and regulations in Columbian College, The Graduate School of Letters and Sciences, The School of Engineering, The School of Education, The School of Government, The Division of Library Science and The Division of Fine Arts are as follows:

Tuition Fee for each semester-hour of work taken	$7.00
Registration Fee	3.00
Late Registration Fee (for registration after the registration days)	5.00
Reinstatement Fee	4.00
Laboratory Fees:	
Architecture 1-2, 4, 21, 26, 27, 28, 125, 126, 127, 128, 141, 142	$4.00
Botany 1 and 2, each	5.00
Chemistry 5 and 6, each	4.00

Chemistry, 121, 141, 142, 145, 146, 297, and 298.....$10.00
Education 136..... 2.00
Geology 1 and 2, each..... 2.50
Graphic Art 5-6, 21, 22, 105-106, 121-122, 123..... 3.00
Physics 7 and 8..... 5.00
Psychology 120..... 3.00
Zoology 131 and 132, each..... 5.00

Breakage Deposits, the amount paid in excess of breakage to be returned:
Chemistry 5 and 6.....$15.00
Chemistry 121, 141, 142, 145, 146, 297, and 298..... 20.00

Microscope Rental:
Zoology 3..... 5.00

FINANCIAL REGULATIONS

Fees are due upon registration, but the nine-weeks students may pay their fees in three equal installments, at the time of registration, July 1 and July 15, and the six-weeks students in two equal installments, at the time of registration and July 15. Students whose fees are not paid in full three days after the final dates mentioned and who have not made arrangements for later payment with the Comptroller will be dropped.

Delinquency. No student may register in any department of the University who owes fees in any other department of the University, and no student may reregister in any year who owes fees from any previous year.

Auditors are charged the same fees as students who register for credit.

High school and other scholarships do not apply to work taken during the Summer Sessions.

AMOUNT OF WORK

a. No student may take more than three courses aggregating nine semester hours of credit. No part time student may take more than two courses aggregating six semester hours of credit.

b. Students registered only during the six-weeks term may take not more than three courses aggregating six semester hours of credit. Part time students in the six-weeks term may take not more than two courses aggregating four semester hours of credit.

c. Students in The Law School may not take more than four semester hours in each summer term.

COURSES OF INSTRUCTION

Courses of instruction offered in the Summer Sessions are included in the general statement of courses beginning on page 212, and in the Summer Sessions Bulletin.

REGULATIONS

Students registered in the Summer Sessions are subject to the general University regulations which are stated beginning on page 51.

For additional information regarding the Summer Sessions consult the Summer Sessions Bulletin.

COURSES OF INSTRUCTION

COURSES OF INSTRUCTION

The University reserves the right to withdraw any course announced.

NUMBERING

Courses in all departments of instruction, except Medicine, are numbered as follows:

First semester courses are given odd numbers, as 1, 3, 5, etc.

Second semester courses are given even numbers, as 2, 4, 6, etc.

In the Law and Medical departments first year courses are numbered 101 to 150; second year courses, 151 to 200; third year courses, 201 to 250 and fourth year courses, 251 to 300. In all other departments of instruction the following sectioning is used:

First section courses, numbered 1 to 100, are planned for lower division students and may not be taken for credit by graduate students.

Second section courses, numbered 101 to 200, are planned for upper division students. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the Dean responsible for the graduate work and the officer of instruction, and when the completion of additional work has been certified to by the officer of instruction.

Third section courses, numbered above 200, are planned for graduate students. They are open to seniors only with the approval of the officer of instruction.

CREDIT

The number of semester hours of credit given is indicated in parentheses following the name of the course. A year course giving three units credit each semester is marked (*3-3*) and a semester course giving three units credit is marked (3). In the Medical courses the first number in parentheses indicates the total number of hours in the course; the second number, the total number of lecture and quizz hours.

A semester hour of credit consists of the completion of one hour of class work per week for one semester.

A dagger (†) preceding the number of a year course indicates that the course may not be entered in the second semester and credit will not be given until the work of both semesters has been completed.

ANATOMY

GEORGE BAIN JENKINS, M.D., *Professor of Anatomy, Executive Officer.*
WILLIAM BINFORD KING, A.B., M.D., *Associate Professor of Anatomy.*
OTHMAR SOLNITZKY, PH.D., M.D., *Associate Professor of Anatomy.*
VINCENT CLARENCE GOULD, M.D., *Instructor in Anatomy.*

Total number of hours required in Anatomy for the M.D. degree—860.

111–112–113. *Gross Anatomy* (480-60) Jenkins, King
The work in this course consists of instruction in osteology followed by the careful dissection and study of the entire body, supplemented by the use of models and prepared specimens. 15 hours per week in the first, second and third trimesters of the first year.

121–122–123. *Histology and Embryology* (288-60)
Jenkins, Solnitzky and King
The work in histology includes the histogenesis and microscopic structure of the tissues and organs of the human body. Special emphasis is laid on the relation of structure to function. 9 hours per week in the first and second trimesters of the first year. The work in embryology embraces a study of normal development, using chick, pig and human material. Malformations and developmental errors are broadly considered. Stained sections, prepared embryos and models are used. 9 hours per week in the third trimester of the first year.

161. *Neuro-anatomy* (72-12) Jenkins and Solnitzky
A laboratory course on the gross and microscopic study of the human central nervous system. Special emphasis is laid on the functional significance of parts. 6 hours per week in the first trimester of the second year.

172. *Applied Anatomy* (20-20) Jenkins and King
This is a recitation course in which the important facts of regional and topographical anatomy are given in their application to the practice of medicine and surgery. 2 hours per week in the second trimester of the second year.

ANTHROPOLOGY

TRUMAN MICHELSON, PH.D., *Professor of Ethnology, Executive Officer.*
CAROLINE BENEDICT CARROLL, A. B., *Lecturer in Archaeology.*

Minimum requirement for the major: Anthropology 101–102, 121–122, 231–232: Sociology 27–28; Botany 107–108. (Certain courses in Geology, Geography, History, Sociology, and Zoology may be substituted, in part, for the above with permission of the Executive Officer.)

SECOND SECTION

101–102. *Basic Course in Archeology.* (3-3) Carroll
A general course in archeology; both the Old and New World will be considered as fully as time permits. Monday, Wednesday, and Friday at 4:10 P. M.

†121–122. *Introduction to Ethnology.* (2–2) Michelson
A general course embracing man's place in nature; ancient man; the elements of physical anthropology; classification of living races; sociology, religious ideas, ethical ideas, and languages of primitive peoples; the beginnings of literature and art. Tuesday and Thursday at 5:10 P. M.

THIRD SECTION

†231–232. *Advanced Ethnology.* (3–3) Michelson
Prerequisite: Courses 121-122. Monday, Wednesday and Friday at 5:10 P. M.

†251–252. *Seminar in Ethnology.* (3–3) Michelson
Prerequisite: Courses 231-232; permission of the Executive Officer of the department required. Hours to be arranged.

ARCHITECTURE

ALBERT BURNLEY BIBB, *Professor of the History of Art and Architecture.*
NORRIS INGERSOLL CRANDALL, M. ARCH., *Professor of Architecture, Executive Officer.*
ALBERT LEWIS HARRIS, B.S. IN ARCH., *Professorial Lecturer in Architecture.*
DELOS HAMILTON SMITH, M.S. IN ARCH., *Professorial Lecturer in Architecture.*
GEORGE RICHARD ROBERTS, A.M., LL.B., C.E., *Lecturer in Architecture.*
DONALD CHENOWETH KLINE, B. ARCH., *Instructor in Architecture.*

During the academic year 1929-1930 special lectures will be given by the following persons: James Spear Taylor, A.B., Francis P. Sullivan, A.B., George W. Dalzell, LL.M., Louis Justement, B.S., Edwin H. Rosengarten.

Minimum requirements for the degree in Architecture: See curricula on page 202.

FIRST SECTION

1–2. *Architectural Drawing* (1-1) Kline
Freehand lettering, stone jointing, and mechanical perspective. Drawing Room Fee $4.00. *Section A*, Monday, 9:10 A. M. to 12. *Section B*, Monday, 7:30 to 10:30 P. M. *Section C*, Friday, 1:10 to 4:00 P. M. *Summer Term 1929*: Daily except Saturday, 1:10 to 4:00 P. M.

4. *Shades and Shadows* (2) Kline
Methods of casting the conventional shades and shadows used in architectural design. Prerequisite: Mechanical Engineering 5. Drawing Room Fee $4.00. *Section A*, Wednesday and Friday, 1:10 to 4:00 P. M. *Section B*, Tuesday and Thursday, 7:30 to 10:30 P. M. *Summer Term 1929*: Daily except Saturday, 1:10 to 4:00 P. M.

†11–12. *History of Architecture* (2–2) Bibb
The Architecture of Ancient Egypt, Greece, Rome and the Medieval period. Wednesday and Friday at 6:10 P. M.

†13–14. *Historic Ornament* (1-1) Bibb
Periods and styles of Ancient, Medieval, Oriental, Renaissance, and Modern ornament. Tuesday at 5:10 P. M.

23–24. *Principles of Composition* (1-1) Crandall
Pictorial and plan composition for Architectural design. Monday at 6:10 P. M.

25–26. *Freshman Design* (2-3) Kline
Classical orders and their application to simple architectural problems of from three to six weeks' duration. Nine-hour sketch problems. Must be taken concurrently with Architecture 4, 23, 24. Drawing Room fee $4.00 a semester. *Section A*, Tuesday and Friday, 9:10 A. M. to 12. *Section B*, Tuesday and Thursday, 7:30 to 10:30 P. M. *Second semester, both sections*, Thursday at 6:10 P. M.

27–28. *Sophomore Design* (4-4) Kline
Beaux Arts Institute of Design Class B Analytique and Projet problems of from three to six weeks' duration. Nine-hour sketch problems. Prerequisite: Architecture 26. Drawing Room Fee $4.00 a semester; Beaux Arts Fee $8.00 a year. *Section A*, Monday, Tuesday, Thursday, and Friday, 9:10 A. M. to 12. *Section B*, Monday, Tuesday, Thursday, and Friday, 7:30 to 10:30 P. M. *Summer Term 1929*: Daily except Saturday, 9:10 to 12 and 1:10 to 4:00 P. M.

SECOND SECTION

†111–112. *History of Architecture* (2-2) Bibb
The Architecture of the Renaissance in its relation to Ancient and Modern Architecture. Prerequisite: Architecture 12. Tuesday and Thursday at 6:10 P. M.

125–126. *Junior Design* (6-6) Crandall
Beaux Arts Institute of Design Class A and B Projet problems of from three to six weeks' duration. Nine-hour sketch problems. Prerequisite: Architecture 28. Drawing Room Fee $4.00 a semester; Beaux Arts Fee $8.00 a year. *Section A*, Monday, Tuesday, Wednesday, Thursday, and Friday, 9:10 A. M. to 12, and Monday, 1:10 to 4:00 P. M. *Section B*, Architecture 125, Tuesday, Thursday, and Friday, 7:30 to 10:30 P. M. Course 126, Monday, Tuesday, and Friday, 7:30 to 10:30 P. M. *Summer Term 1929*: Monday, Wednesday, and Friday, 9:10 A. M. to 12 and daily except Saturday, 1:10 to 4:00 P. M.

NOTE: Students with limited schedules will take Courses 125 and 126 for two semesters each.

127–128. *Senior Design* (6–6) Crandall
Beaux Arts Institute of Design Class A projet problems of from two to six weeks duration. Nine-hour sketch problems. Prerequisite: Course 126. Drawing Room Fee $4.00 a semester; Beaux Arts Fee $8.00 a year. *Section A*, Monday, Tuesday, Wednesday, Thursday and Friday, 9:10 A. M. to 12:00, and Monday, 1:10 to 4:00 P. M. *Section B*, Course 127—Monday, Tuesday and Friday, 7:30 to 10:30 P. M.; Course 128—Tuesday, Wednesday and Friday, 7:30 to 10:30 P. M. *Summer Term 1929*: Monday, Wednesday and Friday, 9:10 A. M. to 12 and daily except Saturday, 1:10 to 4:00 P. M.

NOTE: Students with limited schedules will take Courses 127 and 128 for two semesters each.

†131–132. *Architectural Construction* (3-3) Roberts
Materials, processes, systems and practices of the building trades. Structural details, specifications, contracts and supervision. Building and zoning regulations. Prerequisite: Sophomore standing. Monday, Wednesday and Friday at 5:10 P. M.

†133–134. *Mechanical Equipment* (2-2) Roberts
Water supply, sewage disposal, plumbing, heating, ventilating, electrical installation, elevators, and refrigeration. Prerequisite: Sophomore standing. Tuesday and Thursday at 5:10 P. M.

†141–142. *Office Practice* (2–2) Crandall
Working drawings, details, and specifications. Prerequisite: Course 132. Drawing Room Fee $4.00 a semester. *Section A*, Tuesday and Thursday, 1:10 to 4:00 P. M.; *Section B*, Monday and Thursday, 7:30 to 10:30 P. M. *Summer Term 1929*: Daily except Saturday, 1:10 to 4:00 P. M.

†143–144. *Professional Relations* (1–1) Smith
The ethics of the profession of Architecture. Relations of the architect to the owner and contractor. Contracts, legal documents. Preliminary estimates for buildings, legal responsibility of the architect for estimates. Land values and their relation to cost of proposed building. Promotion and investment operation and revenue. Prerequisite: Senior standing. Monday at 5:10 P. M.

†145–146. *Architectural Humanities* (1–1) Crandall
Articles in current periodicals and special subjects. Prerequisite: Senior standing. Thursday at 5:10 P. M.

THIRD SECTION

211–212. *Seminar in History of Architecture* (2–2) Bibb
Hours to be arranged.

231–232. *Advanced Construction* (2-2) Roberts
Hours to be arranged.

251–252. *Seminar in Design* (2–2 to 6–6) Crandall
Hours to be arranged.

BACTERIOLOGY AND PATHOLOGY*

OSCAR BENWOOD HUNTER, A.M., M.D., *Professor of Bacteriology and Pathology, Executive Officer.*
TOMÁS CAJIGAS, M.S., M.D., *Professor of Pathology.*
JOHN HARPER, M.D., *Professor of Preventive Medicine and Hygiene.*
CLIFT PALSGROVE BERGER, A.M., *Instructor in Bacteriology.*
RUTH JACKSON, A.B., *Instructor in Bacteriology.*
HARRY ARNOLD HULL MCNITT, M.D., *Instructor in Pathology.*

Total number of hours required in Anatomy for the M.D. degree—599.

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221. *Bacteriology* (144-32) Hunter, Cajigas, Berger, Jackson
Lectures and quizzes in the field of bacteriology, including immunology in its application to human medicine and welfare. The laboratory work covers the preparation of all the standard culture media, the general principles of sterilization and of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently, about fifty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this work. 12 hours per week in the first trimester of the second year.

224–225. *Pathology* (320–64) **Hunter, Cajigas**
General pathology, covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effect of chemical and physical agents, the formation of new growth, etc., are treated. This is followed by special pathology of the organs and of the specific diseases. The laboratory work consists primarily of the histologic study of diseased tissues and neoplasms. Between two and three hundred sections are stained, mounted and loaned to each student. These sections are carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them. 12 hours per week in the second and 19 hours per week in the third trimester of the second year. Autopsies (72 hours) for second, third and fourth year students are held at the University and affiliated hospitals. Each autopsy includes

* Non-medical students see Zoology

presentation of the history and clinical findings of the case and demonstration of the gross pathology, followed later by clinical conferences with presentation of the microscopical findings.

234–235. *Preventive Medicine and Hygiene* (63-12) Harper, Berger
The course in Preventive Medicine and Hygiene consists of lectures and recitations on the medical and hygiene phases, laboratory work on methods and physiological hygiene, sanitary excursions and sanitary surveys, which include visits to the two principal types of water treatment plants, sewage treatment works, refuse disposal plants, dairy, pasteurization plant, schools, various industrial plants, and a county health organization. A study will be made of the organization and functioning of a city health department; and the students will make sanitary surveys of small towns. 3 hours per week in the second and third trimesters of the second year.

251–252. *Clinical Microscopy and Parasitology* (72-24) *
Hunter, Cajigas, Harper, Berger
In the course in Clinical Microscopy the student is trained in the counting of the red and white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial parasites, and other parasites of the blood, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of those animal parasites, which are of interest from a medical standpoint, beginning with the protozoa and passing through the helminths and arthropods, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc. The venomous animals, their venoms and the problems of immunity in this group are studied. The significance and value of all these microscopic findings are applied to pathology and diagnosis are considered. 3 hours per week, 24 weeks in the first and second trimesters of the third year.

* Hours included in hour schedule for Department of Medicine

BIOCHEMISTRY

JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry, Executive Officer.*
OLIVER JOHN IRISH, M.S., *Associate Professor of Biochemistry.*
HAROLD ALBERT CRAFT, B.S., *Associate in Biochemistry.*

Total number of hours required in Biochemistry for the M.D. degree—176.

101–102. *Biochemistry* (176-80) Roe, Irish, Craft
A series of lectures and recitations, supplemented by laboratory work, upon such subjects as hydrogen-ion concentration, indicators, methods of quantitative analysis, dialysis, osmosis, colloids, enzymes, radio-activity, and the structure of the atom, is given for about six weeks. The remainder of the course is devoted to physiological chemistry, which includes a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine, and the secretions; the digestion and absorption of foods; metabolism; the basic principles of nutrition. Laboratory work is planned to parallel and supplement the lectures by a qualitative and quantitative study of the substances and physiological processes discussed, concluding with special experiments in metabolism. 8 hours per week in the first and second trimesters of the first year.

152–153. *Clinical Chemistry* (63-21)* Roe, Irish, Craft
A lecture and laboratory course covering the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of the usual qualitative and quantitative methods of analysis of urine, blood, gastric juice and alveolar air; the kidney and liver function tests; and the interpretation of laboratory findings with respect to diseased conditions. These studies are carried out upon pathological material from the University Hospital and other sources. 3 hours per week in the second and third trimesters of the second year.

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*Hours included in hour schedule of Department of Medicine.

BOTANY

ROBERT FISKE GRIGGS, PH.D., *Professor of Botany, Executive Officer.*
WILLIAM WEBSTER DIEHL, M.S., *Lecturer on Mycology.*
JAMES EVERARD BENEDICT, JR., B.S. IN FOR., *Lecturer on Bryology.*
*PAUL WILLIAM BOWMAN, A.M., *Instructor in Botany.*
PAUL VINCENT MOOK, M.S., *Instructor in Botany.*
JOHN M. LARGE, M.S., *Instructor in Botany.*

Minimum requirements for the major:

Botany—24 semester hours in Botany with certain collaterals to be determined in conference with the Executive Officer of the Department.
Biological Science (School of Education)—30 semester hours of Botany and Zoology as specified by the Executive Officers of these Departments.

FIRST SECTION

†1–2. *General Botany* (3-3) Griggs, Mook, Large
Plants, their mode of life and their bearing on human affairs. A study of the structure and functions of the flowering plant as a working mechanism, followed by a rapid survey of the principal groups of plants, with practice in determining the common native flowers. Material Fee $5.00 a semester.

When registering for Botany 1 each student should see the representative of the Department and receive a laboratory assignment card from him. This is necessary in order to be assured of a place, as space and equipment limit the sections to forty each.
Section A, Monday and Wednesday at 9:10 A. M., Mook.
Section B, Monday and Wednesday at 10:10 A. M., Large.
Section C, Monday and Wednesday at 11:10 A. M., Large.
Section D, Monday and Wednesday at 1:10 P. M., Large.
Section E, Monday and Wednesday at 2:10 P. M., Griggs.
Section F, Monday and Wednesday at 3:10 P. M., Griggs.
Section G, Monday and Friday at 5:10 P. M., Mook.
Section H, Monday and Wednesday at 6:10 P. M., Mook.
Laboratory: *Section A*, Friday, 1:10 to 3:00 P. M. *Section G*, Wednesday, 5:10 to 7:00 P. M. *Section H*, Friday, 6:10

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* On leave 1929-30.

to 8:00 P. M. *Sections B, C, D, E* and *F* will take laboratory work in one of the following periods: Monday, 1:10 to 3:00 P. M., Tuesday, 1:10 to 3:00 P. M., Wednesday, 1:10 to 3:00 P. M., Thursday, 1:10 to 3:00 P. M., Saturday, 9:10 to 11:00 A. M.

Summer Term 1930: Course 1, Daily except Saturday. *Lecture* at 10:40 A. M. *Laboratory* 11:40 A. M. to 12:30. Course 2, Daily except Saturday. *Lecture* at 6:10 P. M. *Laboratory*, 7:00 to 7:50 P. M.

18. *Field Botany* (2) Griggs
First-hand study of the local flora, designed to familiarize the student with the native plants and with methods of field study, including the identification of plants. ***Field Trip***—Saturday afternoon. *Laboratory*—Monday, 1:10 to 3:00 P. M.

25. *Plant Study* (4) Griggs
An out-of-doors course in the plants—higher and lower—growing around Washington. *Summer Term 1930*: Daily, except Saturday, 1:30 to 4:30 P. M.

SECOND SECTION

†107–108. *Evolution* (3–3) Griggs
Evolution, genetics, eugenics and other fundamental problems of biology. Prerequisite: one year of college work in Botany, Ethnology, Geology or Zoology. Monday, Wednesday and Friday at 5:10 P. M.

113. *Plant Anatomy* (3) Bowman
A microscopic study of the structure of flowering plants and the technic of preparing material for study. Each student will make a set of slides. Prerequisite: Courses 1–2. Material Fee $5.00. *Lecture*—Tuesday at 5:10 P. M. *Laboratory—Section A*, Tuesday and Thursday, 3:10 to 5:00 P. M. *Section B*, Tuesday, 6:10 to 8:00 and Thursday, 5:10 to 7:00. (Not given 1929-30.)

114. *Cytology* (3) Bowman
Cell contents, mitosis, fertilization and the reduction division. Each student will prepare and stain his own material in class. Prerequisite: Courses 1–2. Material Fee $5.00. *Lecture*—Tuesday at 5:10 P. M. *Laboratory—Section A*, Tuesday and Thursday, 3:10 to 5:00 P. M.; *Section B*, Tuesday, 6:10 to 8:00 and Thursday, 5:10 to 7:00. (Not given 1929-30.)

121–122. *Monocots* (3–3) Griggs
A survey of the monocots, designed to give the student an understanding of the principles of the evolution of the class and practice in their identification. Alternating with Courses 123–124. Prerequisite: Courses 1–2. *Conference*—Wednesday at 6:10 P. M. or Friday at 4:10 P. M. *Laboratory*—Monday, Wednesday and Friday; hours to be arranged.

123–124. *Dicots* (3–3) Griggs
A survey of selected groups of dicots chosen to give the student an understanding of the evolution of the class and practice in their identification. Alternating with Courses 121–122. Conferences and laboratory. Prequisite: Courses 1–2. *Conference*—Wednesday at 6:10 P. M. or Friday at 4:10 P. M. *Laboratory*—Monday, Wednesday and Friday; hours to be arranged. (Not given 1929-30.)

125. *Physiological Plant Anatomy* (5) Griggs
Structural modifications by which plants meet the conditions of special environments. Laboratory and field trips. Prerequisite: Courses 1–2 or 25. *Summer term 1930*—Daily, except Saturday, 5:10 to 7:45 P. M.

135–136. *Plant Processes* (3-3) Mook
A course dealing with the fundamental processes of plants. Water requirements, principles of absorption, protoplasmic membranes, permeability, osmotic phenomena, mineral nutrients, transpiration, synthesis of food, metabolism, translocation of food materials, and growth and movements of plants are briefly considered. Prerequisite: Botany 1–2. Desirable antecedents: Physics 3–4; 7–8 or 9–10 and Chemistry 1–2, 3–4 or 5–6. *Lecture*—Tuesday and Thursday at 1:10 P. M. *Laboratory*—Tuesday and Thursday, 2:10 to 4:00 P. M.

138–139. *Minor Problems* (3-3) Griggs
Competent students may take up special problems. Credits and hours to be arranged.

158. *Mosses* (2) Benedict
Advanced Field Course. Alternating with Course 168. Prerequisite: Course 18 or the equivalent. *Field trip*—Saturday afternoon. *Laboratory*—Monday, 3:10 to 5:00 P. M. (Not given 1929-30.)

168. *Fungi* (2) Diehl, ———
Advanced field course. Alternating with Course 158. Prerequisite: Course 18 or the equivalent. *Field trip*—Saturday afternoon. *Laboratory*—Monday, 3:10 to 5:00 P. M.

THIRD SECTION

211–212. *Research* Griggs
Credits and hours to be arranged.

CHEMISTRY

CHARLES EDWARD MUNROE, PH.D., LL.D., *Professor Emeritus.*

HIRAM COLVER MCNEIL, PH.D., *Professor of Chemistry.*
COLIN MACKENZIE MACKALL, PH.D., *Professor of Chemistry, Executive Officer.*
JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry.*
EDWIN ALLSTON HILL, PH.D., *Professorial Lecturer in Chemistry.*
LEASON HEBERLING ADAMS, B.S., *Lecturer in Chemistry.*
JOSEPH ALFRED AMBLER, PH.D., *Lecturer in Chemistry.*
RALPH EDWARD GIBSON, PH.D., *Lecturer in Chemistry.*
MICHAEL XAVIER SULLIVAN, PH.D., *Lecturer in Chemistry.*
BENJAMIN DOUGLASS VAN EVERA, M.S., *Instructor in Chemistry.*
DEWITT CLINTON KNOWLES, M.SC., *Instructor in Chemistry.*
CAREY BIRDSONG JACKSON, B.S., *Instructor in Chemistry.*
HELEN MARIE DYER, M.S., *Associate in Chemistry.*

Minimum requirements for the major: For the A.B. degree—

Chemistry—Courses 3–4 or 5–6; 11–12; 41–42; 121; 122; 191 and 193.

Physical Science—30 semester hours of Chemistry and Physics as specified by the Executive Officers of these Departments.

For the B.S. degree—Chemistry—Courses 3–4 or 5–6; 11–12; 41–42; 121; 122; 111–112; 113–114; 191; 193 and six semester hours in elective Chemistry, or Physics in addition to courses 7–8 or 9–10. *Language*—German is recommended. *Mathematics*—Courses 11–12 and 19–20. See curriculum on page 98.

Students should consult the representative of the Department of Chemistry for assignment to laboratory sections before completing their registration.

FIRST SECTION

†3–4. *General Chemistry* (5–5) McNeil and Assistants
General Chemistry and the elements of Qualitative Analysis, for students who do not offer Chemistry for entrance. Material fee $8.00 a semester; breakage deposit $15.00. *Lectures—Section A*, Monday, Wednesday and Friday at 10:10 A. M.; *Section B*, Monday, Wednesday and Friday at 6:10 P. M. *Laboratory—Section A*—Monday and Wednesday, 1:30 to 4:00 P. M.; *Section B*, Tuesday and Thursday, 1:30 to 4:00 P. M; *Section C*—Monday and Wednesday, 7:30 to 10:00 P. M.; *Section D*—Tuesday and Thursday, 7:30 to 10:00 P. M.

†5–6. *General Chemistry* (4–4) McNeil and Assistants
General Chemistry and the elements of Qualitative Analysis. Prerequisite: High School Chemistry. Material fee $8.00 a semester; breakage deposit $15.00. *Lectures—Section A*, Tuesday and Thursday at 11:10 A. M.; *Section B*, Tuesday and Thursday at 6:10 P. M. *Laboratory—Section A*, Monday and Wednesday, 1:30 to 4:00 P. M.; *Section B*, Tuesday and Thursday, 1:30 to 4:00 P. M.; *Section C*, Monday and Wednesday, 7:30 to 10:00 P. M.; *Section D*, Tuesday and Thursday, 7:30 to 10:00 P. M. *Summer Term 1929*: Van Evera. *Lectures*, daily, except Saturday, 5:10 to 6:15 P. M.; *Laboratory*—Section A, daily, except Saturday, 1:10 to 4:30 P. M.; *Section B*, daily, except Saturday, 6:45 to 10:00 P. M.

†11–12. *Elementary Physical and Quantitative Chemistry* (4–4)
Van Evera and Assistants
Prerequisite: Course 4 or 6. Material fee $8.00 a semester; breakage deposit $20.00. *Lectures*—Tuesday and Thursday at 5:10 P. M. *Laboratory—Section A*, Monday and Wednesday, 1:30 to 4:00 P. M.; *Section B*, Tuesday and Thursday, 1:30 to 4:00 P. M.; *Section C*, Monday and Wednesday, 7:30 to 10:00 P. M.

21. *Elementary Quantitative Inorganic Analysis* (4)
Van Evera and Assistants
Prerequisite: Course 4 or 6. Material fee $10.00; breakage deposit $20.00. *Lecture*—Monday at 5:10 P. M. *Laboratory—Section A*, Monday, Wednesday and Friday, 1:30 to 4:00 P. M.; *Section B*, Tuesday, Thursday and Friday, 1:30 to 4:00 P. M.; *Section C*, Monday, Wednesday and Friday, 7:30 to 10:00 P. M.

†41–42. *Organic Chemistry* (4-4) Mackall and Assistants
Prerequisite: Course 4 or 6. Material fee $10.00 a semester; breakage deposit $20.00. *Lectures—Section A*, Monday and Wednesday at 11:10 A. M.; *Section B*, Monday and Wdenesday at 5:10 P. M. *Laboratory—Section A*, Monday and Wednesday, 1:30 to 4:00 P. M.; *Section B*, Tuesday and Thursday, 1:30 to 4:00 P. M.; *Section C*, Tuesday and Thursday, 7:30 to 10:00 P. M. *Summer Term 1929*: *Lectures*—Daily except Saturday, 5:10 to 6:15 P. M. *Laboratory—Section A*, daily except Saturday, 1:10 to 4:30 P. M.; *Section B*, daily except Saturday, 6:45 to 10:00 P. M.

51–52. *Chemistry of Food Nutrition* (3-3) Dyer
Prerequisite: Course 4 or 6. Material fee $4.00 a semester; breakage deposit $10.00. *Lectures*—Monday and Wednesday at 5:10 P. M. *Laboratory*—Section A, Monday, 1:30 to 4:00 P. M.; *Section B*, Monday, 7:30 to 10:00 P. M.

SECOND SECTION

111–112. *Physical Chemistry* (2-2) Gibson
Prerequisite: Course 12 and Mathematics 20. *Lecture*—Monday and Wednesday at 5:10 P. M.

113–114. *Physical Chemistry* (2-2) Jackson
Prerequisite: Courses 111–112, which, however, may be taken concurrently. Material fee $5.00 a semester; breakage deposit $15.00. *Laboratory—Section A*, Tuesday and Thursday, 1:30 to 4:00 P. M.; *Section B*, Tuesday and Thursday, 7:30 to 10:00 P. M.

121. *Qualitative Inorganic Analysis* (4) Van Evera and Assistants
Prerequisite: Course 12. Material fee $10.00; breakage deposit $20.00. *Lecture*—Wednesday at 5:10 P. M.; *Laboratory—Section A*, Monday, Wednesday, and Friday, 1:30 to 4:00 P. M.; *Section B*, Tuesday, Thursday and Friday, 1:30 to 4:00 P. M.; *Section C*, Monday, Wednesday and Friday, 7:30 to 10:00 P. M. *Summer Term 1929*: *Lecture*—Monday and Wednesday, 6:40 to 7:00 P. M. *Laboratory—Section A*, daily except Saturday, 1:10 to 3:40 P. M.; *Section B*, daily except Saturday, 7:10 to 9:40 P. M.

122. *Quantitative Inorganic Analysis* (4) Van Evera and Assistant
Prerequisite: Course 12. Material fee $10.00; breakage deposit $20.00. *Lecture*—Monday at 5:10 P. M.; *Laboratory—Section A*, Monday, Wednesday, and Friday, 1:30 to 4:00 P. M. *Section B*, Tuesday, Thursday and Friday, 1:30 to 4:00 P. M. *Section C*, Monday, Wednesday and Friday, 7:30 to 10:00 P. M.

†123–124. *Qualitative and Quantitative Organic Analysis* (2-2) Mackall
Prerequisite: Courses 12 and 42. Material fee $8.00 a semester; breakage deposit $20.00. *Laboratory—Section A*, Thursday and Saturday, 9:10 to 11:40 A. M.; *Section B*, Monday and Wednesday, 7:30 to 10:00 P. M.

125. *Chemical Microscopy* (2) Hill
Prerequisite: Course 12. Material fee $2.00; breakage deposit $5.00; microscope rental $3.00. *Laboratory—Section A*—Monday and Wednesday, 1:30 to 4:00 P. M.; *Section B*, Monday and Wednesday, 7:30 to 10:00 P. M.

144. *Organic Chemistry* (2) Mackall
Reactions. Prerequisite: Course 42. *Lectures*—Tuesday and Thursday at 5:10 P. M.

145–146. *Organic Chemistry* (2–2) Mackall
Synthesis. Prerequisite: Course 42. Material fee $10.00 a semester; breakage deposit $20.00. *Laboratory—Section A*, Thursday and Saturday, 9:10 to 11:40 A. M.; *Section B*, Monday and Wednesday, 7:30 to 10:00 P. M. *Summer Term 1929*: *Laboratory*—daily except Saturday, 1:10 to 4:30 P. M.

147. *Stereochemistry* (2) Hill
Prerequisite: Course 42. *Lectures*—Monday and Wednesday at 6:10 P. M.

†151–152. *Biochemistry* (4-4) Roe, Dyer
Prerequisite: Course 42. Material fee $5.00 a semester; breakage deposit $10.00. *Lectures*—Tuesday and Thursday at 6:10 P. M. *Laboratory*—Tuesday and Thursday, 7:30 to 10:00 P. M.

165–166. *Chemical Engineering* (3-3) Knowles
Prerequisite: Courses 12 and 42, and Mathematics 19–20. *Lectures*—Monday, Wednesday and Friday at 6:10 P. M.

191. *Chemical Bibliography* (1) Mackall
Prerequisite: Courses 12 and 42. *Lecture*—Tuesday at 5:10 P. M.

193. *History of Chemistry* (1) Mackall
Prerequisite: Courses 12 and 42. *Lecture*—Thursday at 5:10 P. M.

THIRD SECTION

†203–204. *Catalysis* (2-2)
Prerequisite: Course 112. (Not given in 1929-30.)

†205–206. *Colloids* (2-2)
Prerequisite: Course 112. (Not given in 1929-30.)

†207–208. *Electrochemistry* (2-2)
Prerequisite: Course 112. (Not given in 1929-30.)

†209–210. *Physical Organic Chemistry* (2-2)
Prerequisite: Courses 42 and 112. (Not given in 1929-30.)

†211–212. *General Chemical Thermodynamics* (2-2) Adams
Prerequisite: Course 112. *Lectures*—Monday and Wednesday at 6:10 P. M.

†213–214. *Advanced Chemical Thermodynamics* (2-2)
Prerequisite: Course 112. (Not given in 1929-30.)

†231–232. *Advanced Inorganic Chemistry* (2-2)
Prerequisite: Course 12. (Not given in 1929-30.)

241. *Carbohydrates* (2) Ambler
Prerequisite: Course 42. *Lectures*—Tuesday and Thursday at 5:10 P. M.

242. *Polypeptides; Dyes; Synthetic Medicinals* (2) Ambler
Prerequisite: Course 42. *Lectures*—Tuesday and Thursday at 5:10 P. M.

†251-252. *Advanced Biochemistry* (2-2) Sullivan
Prerequisite: Courses 12 and 152. *Lectures*—Wednesday and Friday at 5:10 P. M.

297–298. *Research* The Staff
Hours, fees and credits by arrangement.

CIVIL ENGINEERING

JOHN RAYMOND LAPHAM, M.S., *Professor of Civil Engineering.*
OWEN BERT FRENCH, C.E., *Professor of Civil Engineering.*
FRANK ARTEMAS HITCHCOCK, M.S., C.E., *Professor of Civil Engineering, Executive Officer.*
ROBERT EDWARD ROYALL, B.S., *Lecturer in Civil Engineering.*
GEORGE ALBERT CHADWICK, B.S., *Lecturer in Mechanics.*
BLAKE R. VAN LEER, M.S., *Lecturer in Hydraulics.*
HAROLD HARRISON DUTTON, B.S., *Associate in Materials Testing.*
JOSEPH CARL OLEINIK, M.S., *Associate in Civil Engineering.*

Requirements for the degree in Civil Engineering: See curricula on page 160.

FIRST SECTION

1. *Surveying* (3) French
The principles, methods and instruments used in surveying. *Field Work*: adjustment of instruments, measuring areas, leveling and traverse work. *Computation and drafting*: reduction of all field work and plotting results. Surveying fee $5.00. Prerequisite: Mathematics 11–12. *Section A*, Tuesday and Thursday at 1:10 P. M. *Section B*, Monday and Friday at 6:10 P. M. *Field Work*—Tuesday at 1:10 P. M.

5. *Elements of Surveying* (2) French
For mechanical and electrical engineering students, covering the use of the compass, transit and level. Lectures and field exercises. Prerequisite: Mathematics 11–12. Surveying fee $2.00. *Summer Term 1929*: Monday to Friday, 5:00 to 7:00 P. M. and Saturday, 1 to 7:00 P. M. from June 7 to 22 inclusive.

14. *Materials and Hydraulics Laboratory* (2)
Cruickshanks and Dutton
The experimental determination of the properties of materials such as wood, brick, iron and steel by mechanical tests together with the study of the flow of fluids over weirs and through orifices. Prerequisites: Courses 25, 26, 132, 134, or concurrently with Courses 132, 134. Latboratory fee $5.00. *Section A*, Wednesday and Thursday at 1:10 P. M.; *Section B*, Tuesday and Thursday at 7:30 P. M.

15–16. *Nautical Science* (2–2) French
Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Monday and Friday at 5:10 P. M.

25–26. *Materials of Construction* (2–2) Lapham
Non metallic materials with emphasis on cement. Metallic materials with emphasis on iron and steel. Textbook work is supplemented by special topics and by trips to testing laboratories and manufacturing plants. *Section A*, Monday and Wednesday at 9:10 A. M. *Section B*, Monday and Wednesday at 5:10 P. M.

41. *Graphic Statics* (3) Hitchcock
The fundamental principles of graphic statics, the analyses of beams by graphical methods, and the determination of stresses in roof trusses and framed bents under dead, snow, wind and special loadings. Prerequisite: Course 131 or taken concurrently therewith. Drafting Room fee $1.00. *Section A*, Tuesday and Thursday at 11:10 A. M. and Tuesday at 1:10 P. M. *Section B*, Tuesday and Thursday at 6:10 P. M. and Thursday at 7:30 P. M.

42. *Bridge Stresses* (3) Hitchcock
The determination of stresses in the modern types of bridge trusses under dead loads, uniform live loads, concentrated moving loads and lateral forces; influence lines and displacement diagrams and the design of splices and connections in wooden and steel structural members and the use of the structural steel handbook. Prerequisites: Courses 41 and 132 or concurrently with Course 132. Drafting Room fee $1.00. *Section A*, Tuesday and Thursday at 11:10 A. M. and Tuesday at 1:10 P. M. *Section B*, Tuesday and Thursday at 6:10 P. M. and Thursday at 7:30 P. M.

43–44. *Elements of Structures* (3–3) Hitchcock
Primarily for architectural students. Graphic statics, center of gravity, moment of inertia, analyses of beams, columns and roof trusses by graphical and analytical methods, the design and detailing of simple trusses. Prerequisite: Mathematics 16. Drafting Room fee $1.00 a semester. Wednesday and Friday at 6:10 P. M. and Tuesday at 7:30 P. M.

61–62. *Highways and Pavements* (2–2) Royall
Highway economics, location, construction and maintenance; various methods of surfacing; materials used and standard tests of these materials. Prerequisites: Courses 1 and 25 or concurrently therewith. Monday and Wednesday at 8:00 A. M.

71–72. *Railroad Engineering* (3–3) French
Recitations: railroad curves and earth-work, methods of location and construction of railway lines. *Field Work*: a preliminary and location survey; the laying out of circular and transition curves. *Computations and mapping*: estimation of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Prerequisite: Course 1. Surveying fee $3.00 per semester. *Lectures—Section A*, Monday and Friday at 2:10 P. M.; *Section B*, Tuesday and Thursday at 6:10 P. M. *Field Work*—Saturday; hours to be arranged.

102. *Higher Surveying* (3) French
The elements of geodesy, triangulation, topography, hydrography, precise and trigonometric leveling. *Field work*: measurement of angles for triangulation, topography by transit and stadia and plane-table methods, including the necessary computations. Prerequisite: Course 1. Surveying fee $5.00. *Lectures—Section A*, Tuesday and Thursday at 1:10 P. M.; *Section B*, Monday and Friday at 6:10 P. M. *Field Work*—Saturday; hours to be arranged.

118. *Practical Astronomy* (2) French
The elements of astronomy, use of the ephemeris and star catalogues, several methods for determining the latitude, time, longitude and azimuth. Each student is required to make observations to determine latitude, time, longitude and azimuth, and compute the same. Prerequisites: Course 1. *Section A*, Wednesday and Friday at 1:10 P. M. *Section B*, Wednesday and Saturday at 6:10 P. M.

131. *Theoretical Mechanics* (4) Chadwick, Nash
(1) Statics: including composition, resolution and equilibrium of forces; center of gravity; moment of inertia. (2) Kinematics and kinetics; including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Prerequisite: Physics 7–8. *Section A*, Monday, Wednesday, Thursday and Friday at 10:10 A. M. *Section B*, Monday, Wednesday, Thursday and Friday at 5:10 P. M.

132. *Mechanics of Materials* (4) Chadwick, Nash
Elastic and ultimate strength and deformation; simple, cantilever and continuous beams; shear, riveted joints, torsion, columns, resilience, combined stress, curved beams and hooks; theories of elastic limit and failure. Prerequisite: Courses 26 and 131. *Section A*, Monday, Wednesday, Thursday and Friday at 10:10 A. M. *Section B*, Monday, Wednesday, Thursday and Friday at 5:10 P. M.

133–134. *Hydraulics* (2-2) Van Lear
The theoretical principles of hydraulics; including hydrostatics flow through orifices, over weirs, through pipes and in open channels and the dynamic pressure of water. Prerequisite: Physics 8 or 10. *Section A*, Tuesday at 10:10 A. M. and Thursday at 9:10 A. M. *Section B*, Tuesday at 5:10 P. M. and Friday at 6:10 P. M.

145–146. *Higher Structures* (3–3) Hitchcock
The determination of the positions of loading and stresses in the more complicated structures such as swing, continuous, cantilever and suspension bridges and metallic arches. Prerequisite: Course 42. Monday, Tuesday and Thursday at 5:10 P. M.

147–148. *Structural Design* (2–2) Hitchcock
Computations and drawings for a complete design of a steel roof truss, a through or deck plate girder bridge and a railroad bridge of six or seven panels or a heavy highway bridge. Prerequisite: Course 42. Drafting Room fee $2.00 a semester. Tuesday and Thursday at 7:30 P. M.

149. *Reinforced Concrete and Masonry Construction* (3) Hitchcock, Oleinik
Plain concrete, general properties of reinforced concrete, beams and slabs, column bendings and direct stress, continuous beams and building frames. Tests of cement and concrete. Prerequisite: Courses 25 and 131. Laboratory fee $5.00. Wednesday and Friday at 5:10 P. M. and Monday at 7:30 P. M.

150. *Reinforced Concrete and Masonry Construction* (3) Hitchcock, Oleinik
Foundations; retaining walls; slab, beam, and girder bridges; culverts; conduits; bridge piers and abutments. Prerequisite: Course 149. Drafting Room fee $1.00. Wednesday and Friday at 5:10 P. M. and Monday at 7:30 P. M.

181–182. *Water Supply and Sewerage* (3-3) Lapham
Collection, storage, purification and distribution of water. Sewerage systems and treatment of sewerage. Three recitation periods first semester; two recitation and one design periods second semester. Prerequisite: Course 134. Drafting Room fee $1.00 second semester. First semester Monday, Wednesday and Friday at 6:10 P. M.; second semester Monday and Friday at 6:10 P. M. and Wednesday at 7:30 P. M.

CLASSICAL LANGUAGES AND LITERATURES

CHARLES SIDNEY SMITH, PH.D., *Professor of Classical Languages.*

Minimum requirements for the major: 24 semester hours of Latin.

GREEK

FIRST SECTION

†1–2. *Elementary* (3-3) Smith
The essentials of Greek grammar. Translation from Xenophon's Anabasis. Monday, Wednesday and Friday at 10:10 A. M.

†3–4. *Homer's Iliad* (2–2) Smith
Books I-IV. Prerequisite: Course 2 or its equivalent. Wednesday and Friday at 10:10 A. M. (Not given in 1929-30.)

5–6. *Herodotus, Lysias and Euripides* (3–3) Smith
Selected reading and prose composition. Prerequisite: Course 4 or its equivalent; first semester prerequisite for the second semester. Tuesday, Thursday and Saturday at 9:10 A. M.

LATIN

FIRST SECTION

5–6. *Livy; Cicero; Horace* (3–3) Smith
Livy, Book I or XXI; De Senectute; Odes and Epodes; and prose composition. Monday, Wednesday and Friday at 2:10 P. M.

SECOND SECTION

101–102. *Cicero's and Pliny's Letters; Horace's Satires and Epistles* (3–3)
Prerequisite: Courses 5–6. Tuesday, Thursday and Saturday at 10:10 A. M. (Not given in 1929-30.)

105–106. *Tacitus; Terence; Plautus* (3–3) Smith
Selections from Tacitus; Phormio and Captivi. Prerequisites: Courses 5–6. Tuesday, Thursday and Saturday at 10:10 A. M. (Not given in 1929-30.)

109–110. *Horace's Ars Poetica; Quintilian; Catullus, Tibullus and Propertius* (3–3) Smith
Prerequisite: Courses 5–6. Tuesday, Thursday and Saturday at 10:10 A. M.

†113–114. *Advanced Latin Composition and Reading at Sight* (1-1) Smith
Tuesday at 11:10 A. M.

THIRD SECTION

203–204. *Seminar* (3-3) Smith
Training in the methods of philological criticism and in the interpretation of the classical authors, with opportunities for original research. The center of study in 1929-30 will be Cicero and Roman Oratory. Hours to be arranged.

CLASSICAL LITERATURE

SECOND SECTION

101–102. *General Survey of Greek and Roman Literature* (in English) (3-3) Smith
A study of the development of the different departments of literature in ancient Greece and Rome, illustrated by readings, in translation, from the most important authors. Monday, Wednesday and Friday at 4:10 P. M.

ECONOMICS

JOHN DONALDSON, PH.D., *Professor of Political Economy, Executive Officer.*
RICHARD NORMAN OWENS, C.P.A., Ph.D., *Professor of Accounting and Business Administration.*
JOSEPH S. ZUCKER, PH.D., *Professorial Lecturer on Taxation.*
HAROLD GRIFFITH SUTTON, M.S., *Associate Professor of Finance.*
CYRIL BRYCE UPHAM, PH.D., LL.B., *Lecturer on Commercial and Maritime Law.*
RAINARD BENTON ROBBINS, PH.D., *Lecturer on Insurance.*
FORREST ALBERT YOUNG, A.M., *Instructor in Economics.*
FRANK MCGINLEY PHILLIPS, PH.D., *Associate in Statistics.*

Minimum requirements for the major:
Economics: Courses 105, 106, 109–10 and 12 additional semester hours in second or third section courses.
Commerce: See Commerce curricula on page 92.

FIRST SECTION

†1–2. *Principles of Economics* (3-3) Sutton, Young
A survey of the economic order: Its structure; its institutions; its operations. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Monday, Wednesday and Friday at 10:10 A. M. *Section C*, Tuesday, Thursday and Saturday at 10:10 A. M. *Section D*, Monday, Wednesday and Friday at 6:10 P. M. *Summer Term 1929*: Daily except Saturday, 5:10 to 7:00 P. M.

†21–22. *Principles of Accounting* (3-3) Owens
The objectives of the course are to understand methods of analysis peculiarly adapted for dealing with financial data of an economic enterprise, and the thorough understanding of the accepted principles and procedures of double entry accounting. *Section A*, Monday, Wednesday and Friday at 11:10 A. M. Double laboratory period Monday. *Section B*, Monday, Wednesday and Friday at 6:10 P. M. Double laboratory period Wednesday. *Summer Term 1929*: Daily except Saturday, 5:10 to 7:00 P. M.

†25–26. *Introduction to Statistics* (3–3) Phillips
Elements of statistical methods, including definition and isolation of the problem, collection of material, classification

and tabulation, diagrams and graphs, types, dispersion, correlation, error, processes of smoothing. A brief study of index numbers, and an application of elementary statistical methods to some field of inquiry. Tuesday, Thursday and Saturday at 5:10 P. M.

SECOND SECTION

105. *History of Commerce* (3) Young
Historical development of commerce and industry; origins of economic institutions. Prerequisite: Courses 1–2. Tuesday, Thursday and Saturday at 6:10 P. M.

106. *Economic History of the United States* (3) Young
The economic development of the nation and of its latter-day commercial and industrial problems. Prerequisite: Courses 1–2. Tuesday, Thursday and Saturday at 6:10 P. M.

†109–110. *Commercial Geography* (3–3) Donaldson
Summary of economic aspects of facts and principles of geography; analysis of the modern industrial and commercial structure as governed by economic and geographic principles; survey of world's major resources, industries, strategic commodities, and markets; position of the leading nations in international commerce. *Section A*, Monday, Wednesday and Friday at 2:10 P. M. *Section B*, Monday, Wednesday and Friday at 6:10 P. M. *Summer Term 1929*: Daily except Saturday, 5:10 to 7:00 P. M.

119. *Money and Banking* (3) Sutton
The theory and history of money; basic principles of credit and their application to business through the various types of banking institutions; a general view of banking systems of the world with particular reference to the Federal Reserve system in the United States. Prerequisite: Courses 1–2. Given in alternate years. (Not given in 1929-30.) *Summer Term 1929*: Daily except Saturday at 7:45 A. M.

123. *Public Finance* (3) Zucker
A survey of the principles employed by governments in their financial operations; budget-making, borrowing, expenditures, and revenues, with especial reference to taxation. Prerequisite: Courses 1–2. Monday, Wednesday and Friday at 6:10 P. M.

124. *Principles of Taxation* (3) ———
A general treatment of the principles and practice of taxation, with special reference to methods and conditions in the

United States. Prerequisite: Course 123. Monday, Wednesday and Friday at 10:10 A. M.

126. *International Finance* (3) Sutton
Basic principles of international credit and exchange with particular reference to the conditions created by the World War; structure of international credit; exchange rates; gold movements; limits of national credit; depreciated currencies; the problem of reestablishing credit and methods employed by European nations to accomplish it; reparations and their economic consequences. Prerequisite: Courses 1–2. (Not given in 1929-30.)

131–132. *Business Organization and Management* (3-3) Owens
The first part of the course is a study of the types of business enterprise with emphasis upon the corporation; provisions of charter and by-laws; rights and duties of stockholders and directors; questions of social control of business. This is followed by a consideration of the internal organization and management of business, special attention being paid to the problems of the manufacturing concern. Prerequisite: Courses 1–2. Monday, Wednesday and Friday at 10:10 A. M.

135. *Corporation Finance* (3) Sutton
The financial structure of business corporations and combinations, securities and their variation in risk and control, the stock market and speculation, financial policy, promotions, mergers, underwriting, receiverships, reorganization. Prerequisite: Courses 21–22. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Monday, Wednesday and Friday at 5:10 P. M.

136. *Investments* (3) Sutton
The basic principles of investment: analysis of the various factors of investment credit and their application to the different types of investments; needs of various classes of private and institutional investors; proper selection of securities adapted to these needs; necessary care of investments after making them. Prerequisite: Course 135. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Monday, Wednesday and Friday at 5:10 P. M.

137–138. *Advanced Accounting* (3–3) Owens
Partnership accounting, corporation accounting, valuation and related problems, investments, sinking funds, distinction between capital and revenue expenditures, problems of liquid-

ation, combination, consolidations, consolidated balance sheet and profit and loss statement, accounts of receivers and trustees. Prerequisite: Courses 21–22. Tuesday, Thursday and Saturday at 5:10 P. M.

139. *Cost Accounting* (3) Owens
The field and purpose of cost accounting; methods and principles involved in handling and accounting for the charges against materials and labor, the distribution of overhead expenses. Prerequisite: Courses 21–22. Tuesday, Thursday and Saturday at 6:10 P. M.

140. *Auditing* (3) Owens
Qualifications, duties, and responsibilities of the public auditor. The principles involved and principles used in making audits, detection of errors. Prerequisite: Courses 21–22 and 3 additional semester hours in accounting. Tuesday, Thursday and Saturday at 6:10 P. M.

141. *Curve Fitting* (3) Phillips
A study of curve fitting in which equations of the first and higher orders are used: development of formulas for the solution of higher order equations; regression values and correlation; partial correlation, total correlation, and regression equations; correlation ratios and their parabolic and cubic regressions; the probability curve, its use, probable error and tests of reliability. An application of each topic to some statistical problem. Prerequisite: Courses 25–26. Tuesday, Thursday and Saturday at 6:10 P. M.

142. *Economic Statistics* (3) Phillips
Application of statistical methods to economic analysis; tables and index numbers of industry, trade, transportation, finance; "surveys of current business"; price movements and business cycles. Prerequisite: Courses 25–26. Tuesday, Thursday and Saturday at 6:10 P. M.

145. *Managerial Accounting* (3) Owens
The use of accounting records and reports in controlling the various phases of activity of industrial and commercial enterprises. Special emphasis is placed upon the preparation and use of budgets for private businesses. Prerequisite: Courses 21–22. (Not given in 1929-30.) *Summer Term 1929*: Daily except Saturday at 7:00 P. M.

146. *Federal Taxation* (3) Zucker

The general principles and practice of Federal taxation; analysis of tax incidence; a survey of income, excise, and inheritance taxes; study of the several Revenue Acts, with especial reference to the income tax. Class problems and discussion. Prerequisite: Courses 21–22. Monday, Wednesday and Friday at 6:10 P. M.

147. *Marketing* (3) Young

Principles, methods, and problems, including the national "distribution problem." Prerequisite: Courses 1–2. Tuesday, Thursday and Saturday at 5:10 P. M.

150. *Foreign Trade* (3) Young

The principles and procedure of exporting and importing. Prerequisite: Courses 1–2. Tuesday, Thursday and Saturday at 5:10 P. M.

151–152. *Insurance* (3-3) Robbins

Historical background; classification of coverages and carriers; developments to meet social needs; supervision by different states; possibilities for life work in Home Office and selling field. Emphasis upon personal insurance, and especially life insurance, including policy provisions, underwriting practices, Home Office organization, mortality tables and premium calculations, financial statements, methods of surplus distribution and selling methods. Monday, Wednesday and Friday at 7:40 P. M.

†153–154. *Principles of Transportation* Donaldson

Principles of railway transportation, with emphasis upon national railway policies; principles of ocean transportation, with special attention to mercantile marine policies of the United States and other leading nations; highway and air transport. Prerequisite: Courses 1–2. (Not given in 1929-30.) Course in Railway Transportation, *Summer Term 1929*: Daily except Saturday at 7:45 A. M.

159–160. *Commercial and Maritime Law* (3-3) Upham

The principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of Admiralty law. Tuesday, Thursday and Saturday at 6:10 P. M.

166. *Relation of Government to Business* (3) Donaldson
Politico-economics: interrelation of political and economic institutions; property and contract and the state; the competitive system versus socialism; government regulation of monopoly and of trade practices; public utilities; national problems and policies. Prerequisite: Courses 1–2. (Not given in 1929-30.)

†171–172. *International Economic Relations* (3–3) Donaldson
Principles and policies of the economic relations of nations: structure of world economy; geographic, social, political, legal, territorial factors; industrial bases; international trade, transportation, finance: includes comprehensive and coordinated treatment of tariff principles and systems, commercial treaties, foreign concessions and spheres of influence, world combines, double taxation, world market controls, foreign investments, ship subsidies, and other outstanding economic and politico-economic policies and problems of foreign affairs. Monday, Wednesday and Friday at 5:10 P. M.

THIRD SECTION

251–252. *Seminar in Economic Problems* Donaldson and Staff
National and international economic problems. Hours and credits to be arranged.

281–282. *Seminar in Economic Theory* Donaldson
Economic doctrines and their historical development. Hours and credits to be arranged.

EDUCATION

WILLIAM CARL RUEDIGER, Ph.D., *Professor of Education.*
WILLIAM CULLEN FRENCH, Ph.D., *Professor of Education.*
FRANK WASHINGTON BALLOU, Ph.D., *Professorial Lecturer in Education.*
JESSIE ELIZABETH LASALLE, A.M., *Professorial Lecturer in Education.*
MANDEL SHERMAN, M.D., Ph.D., *Professorial Lecturer on Child Development.*
TENJES HENRY SCHUTTE, Ph.D., *Visiting Professor of Education.*
J. ORIN POWERS, Ph.D., *Associate Professor of Education, Acting Executive Officer.*
JAMES ALLAN HICKS, PH.D., *Lecturer in Education.*
LEWIS RAYMOND ALDERMAN, A.B., *Lecturer on Adult Education.*
MAUDE ELEANOR AITON, A.M., *Lecturer on Americanization.*
FLORENCE V. WATKINS, B.S., *Lecturer on Parental Education.*

Minimum requirements for the major: 24 semester-hours, in addition to History of Education and Observation and Practice Teaching.

SECOND SECTION

101. *Educational Psychology*
See Psychology 101 and 103.

102. *Statistics in Education and Psychology*
See Psychology 102 and 104.

105. *Psychology of Childhood* (2) LaSalle
The nature and development of the mental life of children from early childhood through adolescence and their practical relation to teaching. (Not given in 1929-30.)

107. *The Exceptional Child* (2) LaSalle
Gifted, backward, sub-normal, neurotic and morally and socially inadequate children. Standard tests and other methods of measuring individual differences. Saturday 9:10 to 11:00 A. M.

108. *Effective Study* (2) LaSalle
Prevalent weaknesses in study and their causes. Finding and organizing fundamental ideas; attacking assignments; using syllabi; note taking; outlining; summarizing; memorizing. Special attention is given to supervised study. (Not given in 1929-30.)

109–110. *Child Development* (2-2) Hicks
A review of the existent knowledge in the physiological, psychological, and psychiatric development of children. Given at the Washington Child Research Center, 1825 Columbia Road. Wednesday and Friday at 4:10 P. M.

111. *History of Education* (3) French, Powers
A course in the development of educational theory and practice from ancient times to the present. Monday, Wednesday and Friday at 10:10 A. M. *Summer Term 1929*: (3) Powers, daily except Saturday at 7:40 A. M.

112. *History of American Education* (3) French
The development of the American school system with special reference to administrative features and social relationships. Monday, Wednesday and Friday at 10:10 A. M.

115. *Principles of Education* (3) Ruediger
The bases, meaning, objectives and content of education, with special reference to the principles underlying the curriculum. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Monday, Wednesday and Friday at 4:10 P. M. *Summer Term 1929*: (2) Daily except Saturday at 10:40 A. M.

119–120. *Educational Sociology*. See Sociology.

126. *Technique of Teaching* (3) Ruediger
The principles underlying the teaching process with special reference to the nature and meaning of the subject-matter taught. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Monday, Wednesday and Friday at 4:10 P. M. *Summer Term 1929*: (2) Daily except Saturday at 7:40 A. M.

127–128. *Observation* (1-1) Powers
Observation of experienced teachers, under guidance, followed by conference. The course should normally be taken in the junior year. Hours to be arranged.

129–130. *Practice Teaching* (2-2) Powers
Teaching under supervision and criticism. The course should normally be taken in the senior year. Hours to be arranged.

136. *Tests and Measurements* (2) LaSalle, Schutte
The present status and significance of the measurements of educational achievement and the utilization of the data obtained in guiding instruction and study. Saturday, 9:10 to

11:00 A. M. (See Psychology 120, 251-252.) *Summer Term 1929*: (2) Schutte, daily except Saturday at 11:40 A. M.

145. *Primary School Methods* (2) Summy and MacLear
Subject matter and techniques in the kindergarten and primary grades. (Not given in 1929-30.)

146. *Fine and Industrial Arts* (2) Eckford
Drawing, painting and hand work for the kindergarten and elementary school. (Not given in 1929-30.)

147–148. *Elementary Education* (2-2) French
Psychology of the elementary school subjects. Analyses of the learning processes in reading, composition, arithmetic, geography, history, etc., with special reference to methods of instruction. Tuesday and Thursday at 4:10 P. M.

149–150. *Elementary School Curriculum* (2-2) French
Principles of curriculum construction; objectives of elementary education; organization of subject-matter; examination of curricula, syllabi, and texts. Tuesday and Thursday at 5:10 P. M.

151. *The High School* (3) Powers, Schutte
Recent growth in secondary education; aims and functions; types of reorganization; program of study; classification and guidance; extra-curricular activities; plant; costs; standardization, theory and practice of teaching. Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: Schutte. Daily except Saturday at 9:40 A. M.

152. *The Junior High School* (3) Powers
The special purposes of the junior high school and the appropriate reorganization to achieve them: The program of studies; classification of pupils; types of reorganization; history of the movement. Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: (2) Daily except Saturday at 10:40 A. M.

155. *Guidance in Secondary Schools* (2) Powers
Practices in education and vocational guidance in junior and senior high schools; vocational information; utilizing test results and school marks; organizing the staff for guidance. Prerequisite: General Psychology and Education 151–152 or the equivalent. Saturday 9:10 to 11:00 A. M.

156. *Extra-Curricular Activities* (2) Powers
Types of activities in junior and senior high schools; aims and values; practices in organizing, administering, and

supervising; methods of evaluation. Prerequisite: Education 151–152 or the equivalent. Saturday 9:10 to 11:00 A. M.

157. *Teaching of History* (2) Schutte
Summer Term 1929: Daily except Saturday at 8:40 A. M.

158. *Teaching of English* (3) Croissant
See English 194. Tuesday, Thursday and Saturday at 11:10 A. M. *Summer Term 1929*: (2) Daily except Saturday at 11:40 A. M.

161–162. *Parent-Teacher Movement* (2-2) Watkins
First semester: Objectives and significance; national, state and local organizations; fields of activity; relation to educational, social and welfare agencies. Second semester: Parental education; efficient child training; the home and school as social institutions; home and school cooperation; helpful parent-teacher programs. Tuesday, 7:30 to 9:30 P. M.

165–166. *Americanization* (2-2) Aiton
Methods of teaching English, civics and related subjects to foreigners. Consideration will be given to racial backgrounds, immigration laws, naturalization laws, and conceptions of Americanization. Tuesday and Thursday at 6:10 P. M.

169–170. *Adult Education* (3-3) Alderman
A course emphasizing the organization of adult education in the community, its special reference to the use of libraries, museums, clubs, workers' education, special lectures and forums, and other educational agencies. Tuesday and Thursday at 5:10 P. M. and another hour to be arranged.

174–175. *Methods in Teaching Home Economics* ———
See Home Economics 185–186.

183. *School Administration* (3) Powers
Present status and tendencies in organization and administration of school systems with interpretations; problems of administrations. Monday, Wednesday and Friday at 6:10 P. M.

186. *Supervision* (3) Powers
Objectives; prevailing practices; technique of classroom visitation; improving instruction; stimulating initiative and professional growth; developing *esprit de corps*; functions of teachers' meetings; teacher rating. Monday, Wednesday and Friday at 6:10 P. M.

187–188. *Elementary School Supervision* (2-2) French, LaSalle
Principles of constructive supervision; the functions and opportunities of the school principal; special supervisors; professional growth through meeting school needs. Saturday, 11:10 to 1:00. *Summer Term 1929* (2): LaSalle. Daily except Saturday at 9:40 A. M.

THIRD SECTION

209–210. *Seminar* (3-3) Sherman
A research course in psychiatric problems of child development. Tuesday and Thursday at 4:10 P. M. Given at the Washington Child Research Center, 1825 Columbia Road.

226. *Seminar* (3) Ruediger
A review of recent textbooks and investigations in the technique of teaching. A paper embodying constructive scholarship is required of each member of the class. *Summer Term 1929*: Daily except Saturday at 11:40 A. M.

247–248. *Seminar* (3-3) French
Problems in Elementary Education; a survey of inductive studies; investigations and reports. Thursday, 7:30 to 9:30 P. M.

251–252. *Seminar* (3-3) Powers
Research problems in Secondary Education. Primarily for graduate students who are working on theses or other research problems. Tuesday, 7:30 to 9:30 P. M. *Summer Term 1929*: (3) Daily except Saturday at 8:40 A. M.

278–280. *Seminar* (3-3) Ruediger
Movements in higher education with special reference to experiments on the improvement of teaching. Tuesday and Thursday at 5:10 P. M.

283–284. *Research Problems* (3-3) Ballou
The direction of investigations in the field of public school education. Consultation hours arranged.

285–286. *High School Supervision* (2-2) Powers
First semester: Supervisory practices in secondary schools; syllabus making; selecting textbooks; the use of measurements; teacher rating; teachers' meetings; classroom visitation; organization of supervision. Second semester: A survey of supervisory practices in the major subject fields of the high school. Tuesday and Thursday at 6:10 P. M.

ELECTRICAL ENGINEERING

NORMAN BRUCE AMES, B.S., E.E., LL.B., *Professor of Electrical Engineering, Executive Officer.*
PAUL REVERE NASH, B.S., *Instructor in Electrical Engineering.*

Requirements for the degree in Electrical Engineering: See curricula on page 161.

FIRST SECTION

9–10. *Electrical Engineering* (3-3) Ames and Nash
First semester: A comprehensive course covering magnetic and electric circuits, direct current instruments and machines, storage batteries and other applications of direct currents. Second semester: Theory of alternating current circuits, instruments and machines. Required of all engineering students. Prerequisites: Physics 16, Mathematics 20. *Section A*, Monday, Wednesday and Friday at 11:10 A. M., Ames. *Section B*, Monday, Wednesday and Friday at 6:10 P. M., Nash.

13–14. *Electrical Laboratory* (2-2) Ames and Nash
Experiments in direct and alternating currents and direct and alternating current machinery. Prerequisite: Course 10 or concurrently therewith. Laboratory fee $5.00 a semester. *Section A*, Monday at 1:10 P. M. *Section B*, Friday at 1:10 P. M. *Section C*, Monday at 7:30 P. M. *Section D*, Friday at 7:30 P. M.

17–18. *Electrical Laboratory* (2-2) Ames and Nash
A course in measurements and D. C. dynamo laboratory. Prerequisite: Courses 9–10, Physics 16. Laboratory fee $5.00 a semester. *Section A*, Monday at 1:10 P. M. *Section B*, Friday at 1:10 P. M. *Section C*, Monday at 7:30 P. M. *Section D*, Friday at 7:30 P. M.

SECOND SECTION

121–122. *Alternating Current Theory and Machinery* (4-4) Ames
A continuation of Course 10, including a brief review of

alternating current theory covered therein and a thorough study of synchronous generators, transformers, synchronous motors, rotary converters, and various asynchronous machines, including single and polyphase induction motors, series and repulsion motors. Prerequisite: Course 10. Tuesday, Wednesday and Thursday at 5:10 P. M. Friday at 6:10 P. M.

125–126. *Transmission and Distribution* (2-2) Nash

Mechanical and electrical characteristics of transmission lines. Approximate and rigorous solutions by means of hyperbolic trigonometry. Steady state and elementary transient considerations. The more important phases of distribution of electrical energy for light and power; systems of distribution, voltage regulation, metering and transformer practice. Prerequisite or concurrently with Course 121. Monday and Friday at 5:10 P. M.

133–134. *Advanced Electrical Laboratory* (2-2) Ames and Nash

A continuation of Course 17–18, with experiments on alternating current circuits and machinery, including watt hour-meters, transformers, synchronous and asynchronous generators and motors, lightning arresters, and use of the oscillograph. Prerequisite: Course 122 or concurrently therewith. Laboratory fee $5.00 a semester. *Section A*, Monday at 1:10 P. M. *Section B*, Friday at 1:10 P. M. *Section C*, Monday at 7:30 P. M. *Section D*, Friday at 7:30 P. M.

136. *Hydro-Electric Engineering* (2) Nash

Present-day theory and practice in Hydro-Electric Engineering, including so much of hydraulics as is essentially applied and the equipment required for a complete hydro-electric station and system. Prerequisite: Civil Engineering 134 and Course 10. Tuesday and Thursday at 6:10 P. M.

137. *Electric Railways* (2) Ames

Theory and practice of modern direct and alternating current railways. Prerequisite: Courses 121–122 or concurrently therewith. Monday and Wednesday at 6:10 P. M.

139. *Illumination* (2) Nash

The principles and practices of scientific illumination, exterior and interior. Detailed study of various light sources,

lamps, shades, reflectors, etc. Prerequisite: Physics 8 or 10. Tuesday and Thursday at 6:10 P. M.

140. *Electrical Design* (3) Ames
Principles of design with reference to materials of construction, and electrical equipment. Practical exercises are assigned in connection with class-room work. Prerequisite: Course 121. Drafting room fee $1.00. Monday and Wednesday at 6:10 P. M. and 7:30 P. M.

ENGLISH

WILLIAM ALLEN WILBUR, A.M., LITT.D., *Professor of English.*
DEWITT CLINTON CROISSANT, PH.D., *Professor of English, Executive Officer.*
ROBERT WHITNEY BOLWELL, PH.D., *Professor of American Literature.*
ANNA PEARL COOPER, A.M., *Associate Professor of English.*
AUDLEY LAWRENCE SMITH, A.M., *Assistant Professor of English.*
COURTLAND DARKE BAKER, A.M., *Assistant Professor of English.*
DOUGLAS BEMENT, A.B., LL.B., *Assistant Professor of English.*
*ALICE MORTON BALL, *Lecturer on Editing.*
ERNEST SEWALL SHEPARD, A.M., *Instructor in English.*
MARTHA GIBBON, A.M., *Instructor in English.*
DANIEL CHAMPLIN CHACE, A.B., *Associate in Journalism.*

Minimum requirements for the major: Four second section courses in literature, two of which must be selected from: 129–130; 141–142; 151–152; 171–172. Courses 51–52 or 91–92 are prerequisites for second section courses in literature; 51–52 must be taken by those majoring in English, but if 91–92 were taken in the Sophomore year, 51–52 may count on the major.

Applicants for "Special Honors in English" should consult the Executive Officer within two weeks of the opening of their junior year.

FIRST SECTION

1–2. *English Rhetoric* (3–3) Wilbur and Staff
Section A, Tuesday, Thursday and Saturday at 10:10 A. M.
Section B, Monday, Wednesday and Friday at 5:10 P. M.
Summer Term 1929: Course 1, daily except Saturday at 5:10 P. M.; Course 2, daily except Saturday at 6:10 P. M.

3–4. *Special Instruction in English for Foreign Students* (3–3)

Not to be counted for a degree. Hours to be arranged.

9–10. *English Composition* (3–3) Bement
Section A, Tuesday, Thursday and Saturday at 10:10 A. M.
Section B, Tuesday, Thursday and Saturday at 5:10 P. M.
Section C, Tuesday, Thursday and Saturday at 6:10 P. M.

51–52. *Survey of English Literature* (3–3) Bolwell and Staff
Section A, Tuesday, Thursday and Saturday at 11:10 A. M.
Section B, Monday, Wednesday and Friday at 6:10 P. M.
Summer Term 1929: Course 51, daily except Saturday at 5:10 P. M.; Course 52, daily except Saturday at 6:10 P. M.

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*On leave 1929-1930

91–92. *Types of European Literature* (3-3) Croissant and Staff
Section A, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Tuesday, Thursday and Saturday at 5:10 P. M.

SECOND SECTION

109–110. *Advanced Composition* (3-3) Bement
Tuesday, Thursday and Saturday at 6:10 P. M.

†115–116. *The Short Story* (3–3) Bement
Open to students only with the consent of the instructor, after submitting a specimen of original composition. *Section A*, Tuesday, Thursday and Saturday at 9:10 A. M. *Section B*, Tuesday, Thursday and Saturday at 5:10 P. M.

†119–120. *Journalism* (3–3) Chace
Monday, Wednesday and Friday at 5:10 P. M.

121. *Proof-reading* (3) Ball
Prerequisite: Course 1–2 or 9–10. Monday, Wednesday and Friday at 5:10 P. M. (Not given in 1929-30.)

122. *Book-editing* (3) Ball
Prerequisite: Course 121. Monday, Wednesday and Friday at 5:10 P. M. (Not given in 1929-30.)

†125–126. *Anglo-Saxon Grammar and Literature* (3–3) Croissant
(Not given in 1929-30.)

127–128. *Middle English and Chaucer* (3-3) Baker
Tuesday, Thursday and Saturday at 9:10 A. M. *Summer Term 1929*: Course 127, Daily except Saturday at 10:10 A. M.

129–130. *Renaissance and Elizabethan Literature* (3–3) Cooper
Monday, Wednesday and Friday at 11:10 A. M.

135–136. *Shakespeare* (3–3) Wilbur
Monday, Wednesday and Friday at 6:10 P. M. *Summer Term 1929*: (2), daily except Saturday at 4:10 P. M.

141–142. *The Neo-classical Movement* (3–3) Croissant
Tuesday, Thursday and Saturday at 11:10 A. M. *Summer Term 1929*: Course 142 (2), daily except Saturday at 10:10 A. M.

151–152. *The Romantic Movement* (3–3) Smith
Tuesday, Thursday and Saturday at 5:10 P. M. *Summer Term 1929*: Course 152 (2), daily except Saturday at 6:10 P. M.

155. *Wordsworth, "The Prelude"* (3) Wilbur
Monday, Wednesday and Friday at 10:10 A. M.

161. *Victorian Poetry* Smith
Summer Term 1929: Daily, except Saturday at 6:10 P. M.

164. *Browning, "The Ring and the Book"* (3) Wilbur
Monday, Wednesday and Friday at 10:10 A. M.

165–166. *Contemporary Literature* (3–3) Baker
Tuesday, Thursday and Saturday at 10:10 A. M. *Summer Term 1929*: Course 165 (2), daily except Saturday at 9:10 A. M.

171–172. *American Literature* (3–3) Bolwell
Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: Course 171, daily except Saturday at 7:10 P. M.

181–182. *The Novel* (3–3) Cooper
Monday, Wednesday and Friday at 10:10 A. M.

185–186. *The Drama to 1642* (3–3) Bolwell
Tuesday, Thursday and Saturday at 10:10 A. M.

187–188. *The Drama since 1660* (3–3) Croissant
Tuesday, Thursday and Saturday at 5:10 P. M. (Not given in 1929-30.)

191. *Literature of the Bible* (3) Croissant
Tuesday, Thursday and Saturday at 10:10 A. M.

194. *The Teaching of English* (3) Croissant
Tuesday, Thursday and Saturday at 4:10 P. M. *Summer Term 1929*: (2), daily except Saturday at 11:10 A. M.

THIRD SECTION

†229–230. *Studies in Elizabethan Literature* (3–3) Cooper
Tuesday evening; hour to be arranged.

†241–242. *Studies in Neo-classical Literature* (3–3) Croissant
Thursday evening; hours to be arranged. *Summer Term 1929*: Course 242 (2), daily except Saturday at 7:45 A. M.

†251–252. *Studies in the Romantic Movement* (3–3) Smith
In 1928-29 the topic will be Eighteenth Century Romanticism.
Wednesday evening; hour to be arranged.

†271–272. *Studies in American Literature* (3–3) Bolwell
Monday evening; hour to be arranged.

GEOLOGY AND GEOGRAPHY

GEORGE PERKINS MERRILL, PH.D., SC.D., *Professor Emeritus.*

RAY SMITH BASSLER, PH.D., *Professor of Geology, Executive Officer.*
CHARLES ELMER RESSER, PH.D., *Lecturer in Geography.*
EDWARD PORTER HENDERSON, M.S., *Associate in Mineralogy.*

Minimum requirements for the major: 24 semester hours in Geology and Mineralogy, not including introductory course.

GEOLOGY

FIRST SECTION

†1–2. *Elementary Mineralogy* (2–2) Henderson
Lectures and laboratory. Material fee $3.00 a semester. Monday and Friday at 5:10 P. M. *Summer Term 1929*: Daily except Saturday at 7:45 A. M.

†11–12. *Mineralogy* (3–3) Henderson
Descriptive and determinative. Lectures and laboratory. Prerequisite: Chemistry 4 or 6. Material fee $4.00 a semester. Monday, Wednesday and Friday at 6:10 P. M.

†21–22. *Physical and Historical Geology* (3-3) Bassler
A general course and also introductory to all work in geology. *Lecture*—Monday and Friday at 6:10 P. M. *Field Work*—Hours to be arranged. *Summer Term 1929*: (6), daily except Saturday, 5:10 to 7:00 P. M.

SECOND SECTION

111–112. *Economic Geology* (3–3) Bassler
Lectures and seminar work. Prerequisite: Courses 11–12. Hours to be arranged.

121–122. *Paleontology* (3–3) Bassler
Lectures and laboratory. Hours to be arranged.

123–124. *Regional Geology of North America* (3–3) Bassler
Lectures and seminar work. Prerequisite: Courses 21–22. (Given in 1929-30 and alternate years.) Hours to be arranged.

125–126. *Regional Geology of South America and Eastern Hemisphere* (3–3) Bassler
Lecture and seminar work. Prerequisite: Courses 21–22. (Given in 1928-29 and alternate years.) Hours to be arranged.

THIRD SECTION

211–212. *Advanced Mineralogy* Bassler
Credit and hours to be arranged.

215–216. *Advanced Geology* Bassler
Credit and hours to be arranged.

219–220. *Advanced Paleontology* Bassler
Credit and hours to be arranged.

GEOGRAPHY

FIRST SECTION

5. *Physical Geography* (3) Resser
Climate, biogeography and physiography. Lecture and laboratory work. Monday, Wednesday and Friday at 6:10 P. M.

8. *Geography of The Americas* (3) Resser
A regional study of the continents. Prerequisite: Course 5. Monday, Wednesday and Friday at 6:10 P. M. *Summer Term*: Geography of North America (2), Bassler, daily except Saturday at 7:00 P. M.

SECOND SECTION

†111–112. *Human Geography* (3–3) Resser
An advanced course in the principles of geography. Prerequisite: Course 5. Monday, Wednesday and Friday at 5:10 P. M.

THIRD SECTION

201–202. *Geography Seminar* (3–3) Resser
Hours to be arranged.

GERMANIC LANGUAGES AND LITERATURE

EDWARD HENRY SEHRT, PH.D., *Professor of German, Executive Officer.*
PAUL EUGENE GROPP, A.M., *Instructor in German.*
THEODORE ROSKAM JEHNE, A.M., *Instructor in German.*

Minimum requirements for the major: 24 semester hours above the elementary course (1–2, or the equivalent).

FIRST SECTION

†1–2. *Elementary German* (3-3) Gropp
The essentials of German grammar and translation of easy prose. *Section A*, Monday, Wednesday and Friday at 9:10 A. M.; *Section B*, Monday, Wednesday and Friday at 9:10 A. M.; *Section C*, Monday, Wednesday and Friday at 10:10 A. M.; *Section D*, Tuesday, Thursday and Saturday at 9:10 A. M.; *Section E*, Monday, Wednesday and Friday at 5:10 P. M.; *Section F*, Monday, Wednesday and Friday at 6:10 P. M.; *Section G*, Tuesday, Thursday and Saturday at 5:10 P. M. *Summer Term 1929*: daily except Saturday, 5:10 to 6:50 P. M.

†5–6. *Second Year German* (3–3) Gropp
Selections from German prose and poetry, conversation and composition. Prerequisite: Courses 1–2. *Section A*, Monday, Wednesday and Friday at 11:10 A. M.; *Section B*, Monday, Wednesday and Friday at 5:10 P. M.; *Section C*, Tuesday, Thursday and Saturday at 5:10 P. M. *Summer Term 1929*: daily except Saturday, 5:10 to 6:50 P. M.

†9–10. *Scientific and Technical German* (3–3) Gropp
Primarily for students in the scientific and engineering courses.. Prerequisite: Courses 1–2. Monday Wednesday and Friday at 6:10 P. M. *Summer Term 1928*: Course 10, Daily except Saturday at 7:45 A. M.

†17–18. *Readings in Modern German Literature* (3) Sehrt
Advanced prose composition. Prerequisite: Courses 5–6. Monday, Wednesday and Friday at 6:10 P. M.

SECOND SECTION

†101–102. *Goethe's "Faust"* (3) Sehrt
Monday, Wednesday and Friday at 5:10 P. M.

107–108. *Rapid Readings in Contemporary German Literature* (3–3) Sehrt

Private reading and reports. Monday, Wednesday and Friday at 5:10 P. M. (Not given in 1929-30.)

109–110. *The German Drama of the Nineteenth and Twentieth Centuries* (3–3)

Representative dramas of Kleist, Grillparzer, Hebbel, Hauptmann and others. Monday, Wednesday and Friday at 5:10 P. M. (Not given in 1929-30.)

120. *Survey of German Literature* (3)

Readings and reports. Tuesday, Thursday and Saturday at 5:10 P. M. (Not given in 1929-30.)

THIRD SECTION

*†201–202. *Middle High German* (3–3) Sehrt

Introductory course. Hours to be arranged.

*†205–206. *Gothic* (3–3) Sehrt

Introduction to comparative Indo-European Grammar. Hours to be arranged.

*†209–210. *Old High German* (3–3) Sehrt

The development of the German language. Hours to be arranged.

221. *General Introduction to Linguistics—Elementary Phonetics* Sehrt

The purpose of this course is to furnish a general foundation for the scientific study of language. Credits to be arranged. Monday, Wednesday and Friday at 7:10 P. M.

222. *Indo-European Languages—General Course* Michelson, Doyle, Sehrt

Application of the laws of sound change to the more important Indo-European languages. Origin and development of suffixes and inflections. Syntax. Credits to be arranged. Monday, Wednesday and Friday at 7:10 P. M.

* Note: One of these courses will be given in 1929-30.

GRAPHIC ART

ALBERT BURNLEY BIBB, *Professor of the History of Art and Architecture.*
SAMUEL BURTIS BAKER, *Associate in Drawing and Painting.*
EUGEN WEISZ, *Associate in Graphic Art.*
MARIE ESTELLE WALCOTT, A.M., *Associate in Graphic Art.*

Minimum requirements for the major: See the curriculum on page 203.

FIRST SECTION

1–2. *Elementary Antique* (2–2) Weisz
Instruction from the antique in the elements of charcoal drawing, sketching, and anatomy. Drawing Room fee—$3.00 a semester. *Section A*, Monday and Thursday, 1:10 to 4:10 P. M. *Section B*, Monday and Friday, 7:30 to 10:30 P. M.

3–4. *Advanced Antique* (2–2) Weisz
Instruction from the antique in advanced problems of light and shade, sketching and anatomy. Prerequisite: Course 2. Drawing Room fee $3.00 a semester. *Section A*, Monday, and Thursday, 1:10 to 4:00 P. M. *Section B*, Monday and Friday, 7:30 to 10:30 P. M.

5–6. *Pencil and Pen and Ink Drawing* (1–1) Weisz
Outdoor sketching and drawing from photographs of architectural subjects and landscapes. Drawing Room fee—$3.00 a semester. *Section A*, Tuesday, 1:10 to 4:00 P. M. *Section B*, Wednesday, 7:30 to 10:30 P. M. *Summer Term 1929*: Daily except Saturday 1:10 to 5:00 P. M.

21–22. *Water Color* (2-2) Weisz
Still life and outdoor sketching. Prerequisite: Graphic Art 2. Drawing Room fee $3.00 a semester. *Section A*, Tuesday and Wednesday, 1:10 to 4:00 P. M. *Section B*, Wednesday and Thursday, 7:30 to 10:30 P. M. *Summer Term 1929*: Course 21 or 22, daily except Saturday, 1:10 to 5:00 P. M.

31. *Art Structure* (2) Walcott
Principles of Art Structure for students who are preparing to teach art in secondary schools. *Summer Term 1929*: Daily except Saturday at 8:40 A. M.

SECOND SECTION

101–102. *Life Class* (2–2) Baker
Drawing from the nude model. Prerequisite: Course 4. Drawing Room fee—$3.00 a semester. *Section A*, Wednesday and Friday, 1:10 to 4:00 P. M.; *Section B*, Wednesday and Thursday, 7:30 to 10:30 P. M.

103–104. *Advanced Life Class* (2–2) Baker
Drawing from the nude model and composition. Prerequisite. Course 102. Drawing Room fee—$3.00 a semester. *Section A*, Wednesday and Friday, 1:10 to 4:00 P. M. *Section B*, Wednesday and Thursday, 7:30 to 10:30 P. M.

105–106. *Advanced Pencil and Pen and Ink Drawing* (1–1) Weisz
Prerequisite: Course 6. Drawing Room fee—$3.00 a semester. *Section A*, Tuesday, 1:10 to 4:00 P. M.; *Section B*, Wednesday, 7:30 to 10:30 P. M. *Summer Term 1929*: Daily except Saturday, 1:10 to 5:00 P. M.

107–108. *Still Life Painting* (2-2) Baker
Prerequisite: Graphic Art 104. Drawing Room fee $3.00 a semester. *Section A*, Wednesday and Friday, 1:10 to 4:00 P. M. *Section B*, Wednesday and Thursday, 7:30 to 10:30 P. M.

109–110. *Life Painting* (2-2) Baker
Prerequisite: Graphic Art 104. Drawing Room fee $3.00 a semester. *Section A*, Wednesday and Friday, 1:10 to 4:00 P. M. *Section B*, Wednesday and Thursday, 7:30 to 10:30 P. M.

111–112. *History of Sculpture and Painting* (2-2) Bibb
A comparative study of the development of art as the expression of civilization. Wednesday and Friday at 5:10 P. M.

121–122. *Water Color* (1-1) Weisz
Sketching. Prerequisite: Graphic Art 22. Drawing Room fee $3.00. *Section A*, Thursday, 1:10 to 4:00 P. M. *Section B*, Monday, 7:30 to 10:30 P. M. *Summer Term 1929*: Daily except Saturday, 1:10 to 5:00 P. M.

123. *Sketching in Oil* (2) Weisz and Associates
Sketching and composition of landscape and architectural subjects. *Summer Term 1929*: Daily except Saturday, 1:10 to 5:00 P. M.

185–186. *Advanced Painting and Composition* Baker
Credits and hours to be arranged.

HEALTH ADMINISTRATION

DANIEL LERAY BORDEN, M.D., A.M., *University Surgeon, Director.*
FRANK ADELBERT HORNADAY, M.S., M.D., *Consulting University Physician.*
JOHN PAUL EARNEST, JR., A.B., M.D., *Associate University Physician.*
KATHARINE ANTOINETTE CHAPMAN, A.B., M.D., *Associate University Physician for Women.*

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials the University attempts to keep informed as to all cases of sickness among its students, and see that no one suffers from inattention, or the lack of proper care and treatment.

Medical privileges include:

(1) The physical examination of all students entering from secondary schools; (2) Three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation or X-ray examination; hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the regular school term, for 1928-1929, September 19 to June 12, both inclusive; necessity to be determined by the Director of Health Administration. Duration of hospitalization (maximum two weeks) period is also to be determined by the Director of Health Administration.

(This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of the University registration fee.)

Students are allowed, if they so desire, to engage physician and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules:

1. The Director of Health Administration is empowered to limit or deny the medical benefits where in his discretion a student has by his misconduct or breach of the rules of the University made himself ineligible.
2. The Director of Health Administration has authority to determine the necessity and length of hospitalization.
3. Students who have severed their connection with the University are ineligible for medical benefits.
4. Students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester.

1-2. *Personal Hygiene* ——— Chapman, Atwell
For women. A course designed to place before each student the ideal of a well balanced program for daily living, based on the general physiological laws of personal hygiene. (See Physical Education for Women.) Wednesday at 9:10, 10:10, or 11:10 A. M.

HISTORY

CHARLES CLINTON SWISHER, LL.B., PH.D., LL.D., *Professor Emeritus.*

GEORGE MORTON CHURCHILL, PH.D., *Professor of History.*
SAMUEL FLAGG BEMIS, PH.D., *Professor of History, Executive Officer.*
*ELMER LOUIS KAYSER, A.M., *Associate Professor of History.*
LOWELL JOSEPH RAGATZ, PH.D., *Assistant Professor of History.*

Minimum requirements for the major: Courses 1–2; 21–22; 35–36; one of the following—191–192; 193–194; 195–196; 197–198. Electives should include courses in geography, economics, political science, and the literature of the country whose history is studied.

FIRST SECTION

1–2. *American History* (3-3) Bemis

A general introductory course in the history of the United States. *Section A*, Monday, Wednesday and Friday at 10:10 A. M. *Section B*, Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: Course 1, Daily except Saturday at 6:10 P. M.; Course 2, daily except Saturday at 6:10 P .M.

21–22. *Ancient History* (3–3) Kayser

A study of the Ancient Near East, Greece and Rome. *Section A*, Tuesday, Thursday and Saturday at 9:10 A. M. *Section B*, Tuesday, Thursday and Saturday at 5:10 P. M. (Not given in 1929-30.)

35–36. *General European History* (3–3) Ragatz

The development of Western civilization from the decline of the Roman Empire to the close of the late war. Primarily for freshmen. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Tuesday, Thursday and Saturday at 5:10 P. M. *Summer Term 1929*: Course 35, Daily except Saturday at 5:10 P. M.

SECOND SECTION

101–102. *American Constitutional History* (3–3) Churchill

The origins and development of the Constitution of the United States. Advised for pre-legal students. Prerequisite: Courses

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*On leave 1929–30.

1–2 or the equivalent. Tuesday, Thursday and Saturday at 10:10 A. M. (Not given in 1929-30.)

103–104. *History of the West* (3–3) Churchill

The American Frontier from the Colonial period to 1890. Prerequisite: Courses 1–2 or the equivalent. Monday, Wednesday and Friday at 6:10 P. M. (Not given in 1929-30.) *Summer Term 1929*: Course 104, Daily except Saturday at 5:10 P. M.

†105–106. *History of the Foreign Relations of the United States* (3–3) Bemis

Prerequisite: Courses 1–2 or the equivalent. Monday, Wednesday and Friday at 9:10 A. M.

141–142. *History of Modern Colonization* (3–3) Ragatz

The era of discovery and exploration, partition of the Americas, Africa and Asia, overseas rivalries of the European powers, problems of modern imperialism, and the institution of mandates. Prerequisite: Courses 35–36. (Not given in 1929-30.)

143. *Modern Imperialism* (3) Ragatz

The expansion of Europe during the 19th and 20th centuries, with special reference to the partition of Africa and Asia and overseas rivalries of the western world powers. Prerequisite: Course 35–36. Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: Daily except Saturday at 7:40 A. M.

145. *The Renaissance* (3) Kayser

Prerequisite: Courses 35–36. Tuesday, Thursday and Saturday at 10:10 A. M. (Not given in 1929-30.)

146. *The Reformation* (3) Kayser

Prerequisite: Courses 35–36. Tuesday, Thursday and Saturday at 10:10 A. M. (Not given in 1929-30.)

150. *Europe Since 1914* (3) Ragatz

The background of July, 1914, the Great War and problems of the peace period. Prerequisite: Courses 35-36. Monday, Wednesday and Friday at 5:10 P. M.

151–152. *English History* (3–3) Churchill

A survey. *Section A*, Tuesday, Thursday and Saturday at 11:10 A. M. *Section B*, Monday, Wednesday and Friday at

5:10 P. M. *Summer Term 1929*: Course 151, Daily except Saturday at 6:10 P. M.

153–154. *English Constitutional History* (3–3) Churchill
The development of the English Constitution in its historical setting. Advised for pre-legal students. Tuesday, Thursday and Saturday at 10:10 A. M.

159–160. *The History of France* (3–3) Ragatz
Political, social, economic and cultural development of the country from the Roman conquest to the Treaty of Versailles. Prerequisite: Courses 35–36. Tuesday, Thursday and Saturday at 9:10 A. M.

163. *The French Revolution and the Napoleonic Era* (3) Ragatz
The important transitions—political, social, economic and intellectual—occurring in Europe from 1715 to 1815. Prerequisite: Courses 35–36. (Not given in 1929-30.)

164. *France Since 1815* (3) Ragatz
Political, social, economic and cultural history from the end of the Napoleonic regime to the present day. Prerequisite: Courses 35–36. (Not given in 1929-30.)

175–176. *Latin-American History* (3–3)
Colonial Latin-America, and the development of the principal Latin-American countries. (Not given in 1929-30.)

191–192. *Pro-Seminar in History and Historians* (3–3) Churchill
History: definitions, scope, method; relation to other sciences; theories of history; study of leading historians to determine their conceptions of history. Monday at 7:30 P. M. (Not given in 1929-30.)

†193–194. *Pro-Seminar in the Foundation of American Nationality 1783-1796* (3-3) Bemis
Intensive reading fostering individual initiative under careful supervision to develop a critical spirit and close knowledge of the historical literature and sources as well as the constructive events of this period. Hours to be arranged.

†195–196. *Pro-Seminar in Modern European History* (3–3) Ragatz
A study of the humanitarian movements from the middle of the eighteenth century. Research and individual reports. Hours to be arranged.

197–198. *Pro-Seminar in England under the Stuarts* (3–3) Churchill
Hours to be arranged.

THIRD SECTION

201. *Seminar* (3) The Staff
For graduates and properly prepared undergraduates. Hours to be arranged. *Summer Term 1929*: *Section A*, England under the Stuarts, Churchill. *Section B*, Spanish-American War Period, Holt.

†221–222. *Seminar in the History of American Diplomacy* (3–3) Bemis
Intensive historical research in some one period of American diplomacy. For graduate students and qualified seniors. In this course advantage will be taken of the library and archival facilities of Washington, the best sources in America for the study of the diplomatic history of the United States. A reading knowledge of French is necessary, of Spanish and German desirable. Hours to be arranged.

†295–296. *Seminar in Modern European History* (3-3) Ragatz
For graduate students. Hours to be arranged.

297–298. *Seminar in England under the Stuarts* (3-3) Churchill
For graduate students. Hours to be arranged.

HOME ECONOMICS

LOUISE STANLEY, PH.D., *Consulting Director.*
FRANCES KIRKPATRICK, A.M., *Assistant Professor of Home Economics, Acting Executive Officer.*
EMELINE STORM WHITCOMB, A.M., *Lecturer in Home Economics.*
BLANCHE WESTENHAVER ROLLINSON, A.M., *Lecturer in Home Economics.*

Minimum requirements for the major (Food and Nutrition): General Chemistry and 24 semester hours in Home Economics and related subjects, selected with the approval of the executive officer.

FIRST SECTION

1. *Food Selection* (3) Kirkpatrick
Study of composition and nutrition value of food, to furnish basis for intelligent food choice. Monday, Wednesday and Friday at 2:10 P. M.

2. *Food Selection* (3) Kirkpatrick
Course 1 repeated. Monday, Wednesday and Friday at 5:10 P. M.

3. *Food Preparation* (3) Kirkpatrick
Laboratory work in food preparation. (Must be accompanied or preceded by Course 1 or 2.) Material fee $7.50. Tuesday and Thursday, 1:10 to 4:00 P. M.

4. *Food Preparation* (3)
Course 3 repeated. Material fee $7.50. Tuesday and Thursday, 6:10 to 9:00 P. M. (Not given in 1929-30.)

11. *Food Problems of the Household* (3) Kirkpatrick
Planning of meals to meet family needs at different economic levels; food budgets and market orders; marketing; preparation and service of typical meals; food preservation. Material fee $3.00. *Lectures*—Monday and Wednesday at 11:10 A. M. *Laboratory*—Friday, 11:10 A. M. to 1:00 P. M.

22. *Nutrition and Dietetics* (3) Kirkpatrick
The principles of nutrition, digestion, and metabolism and their application in planning diets for normal and special occasions. Monday, Wednesday and Friday at 11:10 A. M.

51. *Clothing Selection* (3) Rollinson
Application of the principles of art, hygiene, and design to clothing selection; care of wardrobe; clothing costs and

budgets for different income levels. Monday, Wednesday and Friday at 5:10 P. M.

52. *Clothing Selection* (3) Kirkpatrick
Course 51 repeated. Monday, Wednesday and Friday at 2:10 P. M.

53. *Clothing Construction* (3)
Laboratory work in clothing construction. (Must be preceded or accompanied by Course 51 or 52.) Material fee $7.50. Tuesday and Thursday, 6:10 to 9:00 P. M. (Not given in 1929-30.)

54. *Clothing Construction* (3) Rollinson
Same as Course 53. Material fee $7.50. Tuesday and Thursday, 1:10 to 4:10 P. M.

61. *Textiles* (3) Rollinson
Manufacture of cotton, wool, linen and silk; tests for adulteration; history; selection and purchase of textile furnishing and wardrobe materials. Material fee $3.00. *Lecture*—Monday at 3:10 P. M. *Laboratory*—Wednesday and Friday, 2:10 to 4:00 P. M.

72. *House Furnishings* (3) Rollinson
Application of principles of color and design to house furnishing; period furniture; household textiles; pictures and decorative objects; selection, arrangement and cost of furnishing. Material fee $3.00. *Lecture*—Monday at 3:10 P. M. *Laboratory*—Wednesday and Friday, 2:10 to 4:00 P. M.

SECOND SECTION

101–102. *Experimental Cookery* (2-2) Kirkpatrick
Analysis of problems of food preparation; application of principles of physics, chemistry and biology. Material fee $3.00 each semester. *Lecture*—Tuesday at 10:10 A. M. *Laboratory*—Thursday, 10:10 A. M. to 12:00.

103–104. *Special Problems in Food Preparation* (2-2) Stanley
A limited number of students will be given opportunity to work on special problems in laboratories of the Bureau of Home Economics. Hours to be arranged.

181–182. *Observation* (1-1)
See Education 127–128.

183-184. *Practice Teaching in Home Economics* (2-2)
See Education 129–130.

185–186. *Teaching of Home Economics* (2-2)
(Not given in 1929-30.)

189–190. *Child Development* (2-2)
See Education 109–110.

THIRD SECTION

211–212. *Seminar* (3-3) Kirkpatrick
Research problems in nutrition and dietetics. Hours to be arranged.

281–282. *Home Economics Education* (3-3) Whitcomb
Guidance of individual research. Hours to be arranged.

LAW

WENDELL PHILLIPS STAFFORD, A.M., LL.B., LL.D., LITT.D., *Professor Emeritus.*

WALTER COLLINS CLEPHANE, LL. M., *Professor of Law.*
EDWIN CHARLES BRANDENBURG, LL.M., *Professor of Law.*
JOHN PAUL EARNEST, A.M., LL.M., *Professor of Law.*
JOHN WILMER LATIMER, LL.B., *Professor of Law.*
WILLIAM CABELL VANVLECK, A.B., LL.B., S.J.D., *Professor of Law, Executive Officer.*
CHARLES SAGER COLLIER, A.B., LL.B., *Professor of Law.*
HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D., *Professor of Law.*
EARL CASPAR ARNOLD, A.B., LL.B., *Professor of Law.*
WALTER LEWIS MOLL, A.B., LL.B., S.J.D., *Professor of Law.*
JOSEPH WINSTON COX, LL.B., *Professorial Lecturer in Law.*
THOMAS CLAFFEY LAVERY, A.B., LL.B., *Visiting Professor of Law.*
HORACE EUGENE WHITESIDE, A.B., LL.B., S.J.D., *Visiting Professor of Law.*
LOYD HALL SUTTON, S.B., LL.B., *Associate Professor of Law.*
WILLIAM ARMSTRONG HUNTER, A.B., LL.M., *Associate Professor of Law.*
WILLIAM THOMAS FRYER, A.B., LL.B., J.D., *Associate Professor of Law.*
SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., *Assistant Professor of Law.*
CARVILLE DICKINSON BENSON, A.B., LL.B., S.J.D., *Assistant Professor of Law.*
LEVI RUSSELL ALDEN, A.M., LL.B., *Lecturer in Law.*
GILBERT LEWIS HALL, A.B., LL.B., *Lecturer in Law.*
CLARENCE ALTHA MILLER, LL.M., *Lecturer in Law.*
FINNEY BASCOM SMITH, LL.B., Graduate U. S. Naval Acadamy, *Lecturer in Law.*
FREDERICK CHARLES O'CONNELL, LL.M., *Associate in Law and Clerk of the Moot Court.*

Moot Court of Appeals

LEON TOBRINER, LL.B., *Chief Justice.*
BRAINARD WARNER PARKER, LL.B., *Associate Justice.*
REGINALD SHIPPEN HUIDEKOPER, A.B., *Associate Justice.*

Requirements for the degrees in Law: See page 151.

FIRST YEAR SUBJECTS

101–102.. *Agency* (2-2) Whiteside, Fryer
Seavey's Cases on Agency. Monday at 9:10 A. M. and Friday at 11:10 A. M. *Summer Session 1929*: Huffcut's Cases

on Agency, Third Edition. First term, Monday to Friday inclusive, 5:10 and 6:10 P. M.

105. *Common Law Actions* (1) Van Vleck, Fryer, Hunter
Sunderland's Cases on Common Law Pleading. *Section A*, Wednesday at 12:10 P. M. *Section B*, Tuesday at 6:10 P. M. *Section C*, Tuesday at 5:10 P. M. *Summer Session 1929*: First term, first three weeks, Monday and Thursday at 5:10 P. M.; Monday, Wednesday and Thursday at 6:10 P. M.

111–112. *Contracts* (3-4) Moll, Fryer, Benson
Williston's Cases on Contracts. *Section A*, First semester, Monday and Wednesday at 11:10 A. M., and Tuesday at 9:10 A. M.; second semester, Tuesday at 9:10 A. M., and Monday, Wednesday and Thursday at 11:10 A. M. *Section B*, First semester, Wednesday at 5:10 P. M., and Thursday at 5:10 and 6:10 P. M. Second semester, Wednesday and Thursday at 5:10 and 6:10 P. M. *Section C*, First semester, Monday at 5:10 and 6:10 P. M., and Wednesday at 6:10 P. M.; second semester, Monday and Tuesday at 5:10 and 6:10 P. M. Special, second semester, Monday at 5:10 and 6:10 P. M., and Friday at 5:10 P. M.

124. *Criminal Law and Procedure* (3) Earnest, Hunter
Mikell's Cases on Criminal Law and Procedure. *Section A*, Wednesday at 9:10 A. M., Tuesday at 11:10 A. M., and Thursday at 12:10 P. M. *Section B*, Tuesday at 5:10 and 6:10 P. M., Friday at 6:10 P. M. *Section C*, Thursday at 5:10 and 6:10 P. M., and Friday at 5:10 P. M.

135. *Personal Property* (3) Spaulding, Arnold, Fryer
Larremore's Cases on Personal Property. *Section A*, Wednesday at 9:10 A. M., Tuesday and Thursday at 11:10 A. M. *Section B*, Tuesday at 5:10 P. M., and Friday at 5:10 and 6:10 P. M. *Section C*, Tuesday at 6:10 P. M., and Thursday at 5:10 and 6:10 P. M. *Summer Session 1929*: Warren's Cases on Property. First term, first three weeks, Tuesday, Wednesday and Friday at 5:10 P. M., Tuesday and Friday at 6:10 P. M.; second three weeks, Monday to Friday, inclusive, at 5:10 and 6:10 P. M.

137–138. *Real Property I* (2-2) Arnold
Bigelow's Cases on Rights in Land, Aigler's Cases on Titles. *Section A*, Thursday and Friday at 9:10 A. M. *Section B*, Friday at 5:10 and 6:10 P. M.

141–142. *Torts* (3-3) Collier, Hunter
Bohlen's Cases on Torts. *Section A*, First semester, Monday, Thursday and Friday at 12:10 P. M.; second semester, Monday, Wednesday and Friday at 12:10 P. M. *Section B*, First semester, Monday at 5:10 and 6:10 P. M., Wednesday at 6:10 P. M.; second semester, Monday at 5:10 and 6:10 P. M., and Friday at 5:10 P. M. *Section C*, First semester, Wednesday at 5:10 P. M., and Friday at 5:10 and 6:10 P. M.; second semester, Wednesday at 5:10 and 6:10 P. M., and Friday at 6:10 P. M. *Summer Session 1929*: (4) Second term, Monday to Friday, inclusive, 5:10 and 6:10 P. M.

SECOND YEAR SUBJECTS

163–164. *Bills and Notes* (2-2) Arnold
Campbell's Cases on Bills and Notes. *Section A*, Monday and Tuesday at 9:10 A. M. *Section B*, Monday at 5:10 and 6:10 P. M.

167. *Common Law Pleading and Practice* (2) Clephane, Hunter
Section A, Sunderland's Cases on Common Law Pleading. Wednesday at 9:10 A. M., Thursday at 11:10 A. M. *Section B*, Shipman on Common Law Pleading. Tuesday at 5:10 and 6:10 P. M.

169. *Damages* (2)
(Not given in 1929-30.)

170. *Domestic Relations* (2) Moll
Woodruff's Cases on Domestic Relations. *Summer Session 1929*: Second term, Tuesday to Saturday, inclusive, 7:45 to 8:35 A. M.

171–172. *Equity II* (2-2) Spaulding
Ames' Cases on Equity Jurisdiction, Volume I. *Section A*, Wednesday and Thursday at 12:10 P. M. *Section B*, Thursday at 5:10 and 6:10 P. M.

174. *Equity Pleading and Practice* (1) Clephane, Hunter
Section A, Hinton's Cases on Equity Pleading and Practice. Thursday at 11:10 A. M. *Section B*, Clephane on Equity Pleading and Practice. Tuesday at 5:10 P. M.

177–178. *Evidence* (2-2) Latimer, Fryer, Arnold
Hinton's Cases on Evidence. *Section A*, Thursday and Friday at 9:10 A. M. *Section B*, Monday at 5:10 and 6:10 P. M.

Summer Session 1929: Second term, Monday to Friday, inclusive, 5:10 and 6:10 P. M.

180. *Insurance* (2) Lavery
Woodruff's Cases on Insurance. *Summer Session 1929*: First term, Tuesday to Saturday, inclusive, 7:45 to 8:35 A. M.

182. *Legal Bibliography and Brief Making* (1) Hall, Miller
Section A, Wednesday at 9:10 A. M. *Section B*, Tuesday at 6:10 P. M.

184. *Mortgages* (2) Fryer
Campbell's Cases on Mortgages. Thursday at 5:10 and 6:10 P. M. *Summer Session 1929*: First term, Tuesday and Friday, 5:10 and 6:10 P. M., Wednesday at 5:10 P. M.

185. *Quasi-Contracts* (2) Moll
Thurston's Cases on Quasi-Contracts. *Summer Session 1929*: Second term, Monday and Thursday, 5:10 and 6:10 P. M., Wednesday at 5:10 P. M.

187–188. *Real Property II* (2-2) Oppenheim
Aigler's Cases on Titles. *Section A*, Monday and Friday at 12:10 P. M. *Section B*, Thursday at 5:10 and 6:10 P. M. *Summer Session 1929*: First term, Monday to Friday, inclusive, 5:10 and 6:10 P. M.

191–192. *Sales* (2-2) Oppenheim
Williston's Cases on Sales (3rd Ed.). *Section A*, Tuesday and Wednesday at 10:10 A. M. *Section B*, Wednesday at 5:10 and 6:10 P. M.

197. *Water Rights* (2)
(Not given in 1929-30.)

THIRD AND FOURTH YEAR SUBJECTS

209. *Administrative Law* (2)
Freund's Cases on Administrative Law. Thursday at 5:10 and 6:10 P. M.

217. *Admiralty* (2) Alden
Lord and Sprague's Cases on Admiralty Jurisdiction and assigned readings. Wednesday at 5:10 and 6:10 P. M.

220. *Bankruptcy* (2) Brandenburg
Tuesday at 5:10 and 6:10 P. M.

221–222. *Conflict of Laws* (2-2) Van Vleck
Beale's Cases on Conflict of Laws, Second Edition. *Section A*, Thursday at 10:10 and 11:10 A. M. *Section B*, Thursday at 5:10 and 6:10 P. M.

251–252. *Constitutional Law* (2-2) Collier
Hall's Cases on Constitutional Law. *Section A*, Wednesday at 11:10 and Friday at 10:10 A. M. *Section B*, Tuesday at 5:10 and 6:10 P. M.

257–258. *Corporations* (2-2) Benson
Warren's Cases on Corporations. *Section A*, Monday at 10:10 A. M., and Tuesday at 11:10 A. M. *Section B*, Friday at 5:10 and 6:10 P. M.

271. *Equity III* (2) Spaulding
Ames' Cases on Equity Jurisdiction, Volume II. *Section A*, Monday and Friday at 11:10 A. M. *Section B*, Tuesday at 5:10 and 6:10 P. M.

274. *Extraordinary Remedies and Legal Tactics* (1) Clephane
Monday at 6:10 P. M.

275. *Federal Procedure* (2) Brandenburg
Hopkin's Judicial Code (3rd Ed.). Tuesday at 5:10 and 6:10 P. M.

279-280. *International Law* (2-2) Spaulding
Scott's Cases on International Law. Friday at 5:10 and 6:10 P. M.

281. Legal Ethics Clephane, Earnest
Six hours of lectures at the second, third, and fourth sessions of the Moot Court.

283–284. *Moot Court* (2-2) Clephane, Earnest, Latimer, Hall
Prerequisite: Law 167 (Common Law Pleading and Practice), Law 174 (Equity Pleading and Practice), and Law 177-178 (Evidence). *Section A*, Saturday at 9:10 and 10:10 A. M. *Section B*, Wednesday at 5:10 and 6:10 P. M.

285. *Municipal Corporations* (2) Lavery
Tooke's Cases on Municipal Corporations. *Summer Session 1929*: Second term, Tuesday and Friday at 5:10 and 6:10 P. M., Wednesday at 6:10 P. M.

286. *Organization of Corporations* (1) Clephane
Clephane on Organization and Management of Corporations. Monday at 5:10 P. M.

288. *Partnership* (2) Spaulding
Crane and Magruder's Cases on Partnership. *Section A*, Monday and Friday at 11:10 A. M. *Section B*, Tuesday at 5:10 and 6:10 P. M.

289–290. *Patent Law* (*Substantive*) *and Patent Office Practice* (2-2) Sutton
Monday at 5:10 and 6:10 P. M.

291–292. *Patent Moot Court* (2-2) Smith
Wednesday at 5:10 and 6:10 P. M.

294. *Property III* (2) Arnold
(Not given in 1929-30.)

296. *Public Utilities* (2) Benson
Burdick's Cases on Public Utilities (2nd Ed.). Saturday at 5:10 and 6:10 P. M.

297. *Roman Law* (2) Moll
Sohm's Institutes of Roman Law (Ledlie's Translation); Pound's Readings in Roman Law. Monday at 5:10 and 6:10 P. M.

298. *Suretyship* (2) Arnold
Arant's Cases on Suretyship. Wednesday at 5:10 and 6:10 P. M.

299. *Taxation* (2) Collier
Beale's Cases on Taxation. Saturday at 5:10 and 6:10 P. M.

301–302. *Trusts* (2-2) Moll
Scott's Cases on Trusts. Friday at 5:10 and 6:10 P. M.

303–304. *Wills and Administration of Estates* (2-2) Oppenheim
Costigan's Cases on Wills. Monday at 5:10 and 6:10 P. M.

LIBRARY SCIENCE

ALFRED FRANCIS WILLIAM SCHMIDT, A.M., *Professor of Library Science, Executive Officer.*
ERNEST CUSHING RICHARDSON, PH.D., *Professorial Lecturer in Library Science.*
GEORGE FRANKLIN BOWERMAN, A.B., B.L.S., L.H.D., *Professorial Lecturer in Library Science.*
ELIZABETH A. LATHROP, A.B., *Assistant Professor of Library Science.*
CLARA WELLS HERBERT, *Lecturer in Library Science.*
ELIZABETH ORLAN CULLEN, M.S., *Lecturer in Library Science.*
CLARIBEL RUTH BARNETT, PH.B., B.L.S., *Lecturer in Library Science.*

Requirements for the degree in Library Science: See curricula on page 195.

SECOND SECTION

101–102. *Cataloguing* (3-3) Lathrop
A general introduction to Library Science; practice in ordering, accessioning, filing, desk work, special attention to the fundamental principles of cataloguing. Prerequisite: French or German. A selected group may do their practice work at the Public Library. *Section A*, Tuesday, Thursday and Saturday at 11:10 A. M. *Section B*, Tuesday, Thursday and Saturday at 6:10 P. M. *Summer Term 1929*: Course 101 (1), daily except Saturday at 5:10 P. M.; Course 102 (2), daily at 7:50 P. M.

121–122. *Classification* (3-3) Schmidt
Historical introduction, the study of the leading systems and their distinguishing characteristics, actual classification according to the Dewey, Cutter, and Library of Congress schemes, with accompanying practice in shelf-listing and book notation. Prerequisite: Courses 1–2, or the equivalent in library experience. Monday, Wednesday and Friday at 6:10 P. M. *Summer Term 1929*: Course 122 (22), daily except Saturday at 6:10 P. M.

131. *Library History, Organization and Administration* (3) Schmidt
Prerequisite: Courses 1–2; 21–22 or the equivalent in library experience. Monday, Wednesday and Friday at 5:10 P. M.

132. *Reference, Bibliography, Book Evaluation and Selection* (3) Schmidt

The study and use of reference books, the preparation of bibliographies in conjunction with the instructional work of the University, and supervised service in the University Library. Prerequisite: Course 131 or the equivalent in library experience. Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929:* Daily except Saturday at 7:00 P. M.

135. *Children's Literature and Library Work with Children* (3) Lathrop

Prerequisite: Courses 131-132 or the equivalent in library experience. Tuesday, Thursday and Saturday at 5:10 P. M.

136. *Library Extension, Publicity and Community Service* (3) Lathrop

Prerequisite: Courses 131-132 or the equivalent in library experience. Tuesday, Thursday and Saturday at 6:10 P. M.

169–170. *Adult Education*
See Education.

THIRD SECTION

211–212. *Special Libraries* (3-3) Barnett, Cullen and Staff
Hours and places of meeting to be arranged.

221–222. *Special Problems in Public Library Administration and Service* (3-3) Bowerman, Herbert and Staff
To be conducted at the Public Library. Hours to be arranged.

245–246. *Seminar* (3-3) Richardson and Staff
Special problems: the history of the book; paleography; the cataloguing and classification of manuscripts, incunabula, and earliest printed books; history of printing and paper; care and treatment of documents, maps, music, etc.; legislative reference; methodology of research. Conducted at the Library of Congress. Tuesday, 7:00 to 9:00 P. M.

MATHEMATICS

JAMES HOWARD GORE, PH.D., LITT.D., LL.D., *Professor Emeritus.*

HOWARD LINCOLN HODGKINS, PH.D., SC.D., *Professor of Mathematics.*
JOHN THOMAS ERWIN, A.M., *Professor of Mathematics.*
JAMES HENRY TAYLOR, PH.D., *Professor of Mathematics, Executive Officer.*
HARRY GRANT HODGKINS, A.B., *Associate Professor of Mathematics.*
FRANCIS EDGAR JOHNSTON, PH.D., *Assistant Professor of Mathematics.*
FLORENCE MARIE MEERS, PH.D., *Assistant Professor of Mathematics.*
EDGAR WILLIAM WOOLARD, PH.D., *Assistant Professor of Mathematics.*
CHARLES EDWIN VAN ORSTRAND, S.M., *Lecturer in Mathematics.*
WILLIAM JAMES BERRY, M.S., *Instructor in Mathematics.*

Minimum requirements for the major: 12 semester hours above calculus.

FIRST SECTION

1–2. *Astronomy* (3-3) Woolard
Tuesday and Thursday at 11:10 A. M.

3–4. *College Algebra; Solid Geometry; Plane Trigonometry* (3–3) Hodgkins, Meers
Algebra is studied during the first semester, solid geometry during February and March, and trigonometry during April and May. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Monday, Wednesday and Friday at 11:10 A. M. *Section C*, Tuesday, Thursday and Saturday at 5:10 P. M. *Section D*, Tuesday, Thursday and Saturday at 6:10 P. M. *Summer Term 1929*: Course 3 (Berry), Daily except Saturday at 7:45 A. M.

5–6. *Algebra; Plane Trigonometry* (3-3) Hodgkins, Meers
Algebra is studied until April 1, and trigonometry during April and May. For students who present only one admission unit in Algebra and those who need a review of intermediate Algebra. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Tuesday, Thursday and Saturday at 6:10 P. M.

8. *College Algebra* (3) Johnston
Monday, Wednesday and Friday at 6:10 P. M.

11–12. *Trigonometry; Analytic Geometry* (3–3)
Taylor, Erwin, Johnston, Berry, Meers
Trigonometry until January 1, analytic geometry for the remainder of the session. Prerequisite: Courses 3–4 or 5–6. *Section A*—for Engineering students, *Section B*—for non-Engineering students, Monday, Wednesday and Friday at 10:10 A. M. *Section C*, Monday, Wednesday and Friday at 5:10 P. M. *Section D*, Monday, Wednesday and Friday at 6:10 P. M. *Section E*, Tuesday, Thursday and Saturday at 6:10 P. M. *Summer Term 1929*: Course 11, Daily except Saturday at 6:10 P. M.; Course 12, daily at 5:10 P. M.

15–16. *Calculus and Analytic Geometry* (3-3) Johnston
Required course for freshmen in Architecture, and elective by the college student, who does not plan to major in Mathematics. Prerequisite: Course 4 or 6, or four entrance units in Mathematics. Tuesday, Thursday and Saturday at 5:10 P. M.

19–20. *Differential and Integral Calculus; Elements of Differential Equations* (3-3) Taylor, Erwin, Berry
Section A, Monday, Wednesday and Friday at 11:10 A. M. *Section B*, Monday, Wednesday and Friday at 5:10 P. M. *Section C*, Tuesday, Thursday and Saturday at 5:10 P. M. *Summer Term 1929*: Daily except Saturday from 5:10 to 7:10 P. M.

SECOND SECTION

123. *An Elementary Treatise on the Theory of Equation* (3) Johnston
Hours to be announced.

124. *Theory of Numbers* (3) Johnston
Hours to be announced.

127–128. *Coordinate Geometry of Three Dimensions* (3-3) Erwin
(Not given in 1929-30.)

131–132. *Differential Equations* (3–3) Berry
Prerequisite: Courses 19–20. Monday, Wednesday and Friday at 5:10 P. M.

135. *Special Topics* (2) Johnston
For electrical engineers. Complex numbers, hyperbolic functions, vectors, differential equations, infinite series. Prerequisite: Courses 19-20. Monday and Friday at 6:10 P. M.

137–138. *Advanced Calculus* (3-3) Woolard
Based on Osgood's "Advanced Calculus." Monday, Wednesday and Friday at 6:10 P. M.

THIRD SECTION

253–254. *Theory of Functions of a Complex Variable* (3-3) Berry
Hours to be announced.

255–256. *Differential Geometry* (3-3)
(Not given in 1929-30.)

257–258. *Theory of Finite Groups* (3-3)
(Not given in 1929-30.)

259. *Least Squares* (2) Van Orstrand
Derivation of the law of errors and adjustment of observations with special reference to the determination of the constants of empirical formulas. A lecture and recitation course. Saturday at 5:10 P. M.

260. *Mathematical Statistics* (2) Van Orstrand
Theory and practical applications. A lecture and seminar course. Saturday at 5:10 P. M.

265–266. *Modern Algebra* (3-3) Johnston
Bocher's "Higher Algebra." Monday, Wednesday and Friday at 5:10 P. M.

267–268. *Calculus of Variations* (3-3) Taylor
Hours to be announced.

MECHANICAL ENGINEERING

ARTHUR FREDERICK JOHNSON, M.E., *Professor of Mechanical Engineering, Executive Officer.*

BENJAMIN CARPENTER CRUICKSHANKS, B.S. in M.E., *Assistant Professor of Mechanical Engineering.*

JAMES AUGUSTIN ST. OMER ROY, B.S. IN E.E., *Associate in Mechanical Drawing.*

Minimum requirements for the degree in Mechanical Engineering: See curricula on page 162.

FIRST SECTION

3. *Mechanical Drawing* (3) Johnson
Sketches, drawings and tracings emphasizing shop methods and utilization of standard machine parts. One lecture period and two drawing periods. Drafting room fee $2.00. *Section A*, Monday, Wednesday and Friday at 1:10 P. M. *Section B*, Tuesday at 5:10 P. M., and Monday and Friday at 7:30 P. M.

4. *Descriptive Geometry* (3) Johnson
Theories of orthographic and oblique projection with practical applications and introduction to shades and shadows. Solid geometry is prerequisite or may be taken concurrently. One recitation and two drawing periods. Drafting room fee $2.00. *Section A*, Monday, Wednesday and Friday at 1:10 P. M. *Section B*, Tuesday at 5:10 P. M., Monday and Friday at 7:30 P. M. *Section C*, Tuesday at 5:10 P. M., Tuesday and Thursday at 7:30 P. M.

5. *Descriptive Geometry* (3) Johnson
For students in Architecture. Similar to Course 4. Drafting Room Fee $2.00. *Section A*, Wednesday, 1:00 to 5:00 P. M. *Section B*, Tuesday and Thursday, 7:30 to 10:30 P. M. *Lecture*, Tuesday at 5:10 P. M.

7–8. *Machine Drawing* (2-2) Johnson
Computations, sketches and drawings applying kinematics and empirical methods. Prerequisite: Course 4 and concurrently with Course 13-14. Two drawing periods. Drafting room fee $2.00 a semester. *Section A*, Wednesday and Friday at 1:10 P. M. *Section B*, Monday and Friday at 7:30 P. M.

13–14. *Mechanism* (3-3) Johnson, St. Omer Roy
Machine elements and the kinematics of machinery, analysis of the functions and the mechanical movements; problems and diagrams of changes of position and speed in mechan-

ism; the design of gearing; steam engine valve gears. Taken concurrently with Course 7-8. *Section A*, Monday, Wednesday and Friday at 10:10 A. M. *Section B*, Monday, Wednesday and Friday at 5:10 P. M.

SECOND SECTION

111–112. *Thermodynamics* (3-3) Cruickshanks
First semester: The study of the principles of thermodynamics; the gas and vapor cycles; and the properties of steam. Second semester: The study of the steam engine and the practical applications of the above principles. Prerequisites: Physics 8 or 10 and Course 14. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Monday, Wednesday and Friday at 6:10 P. M.

115–116. *Engineering Laboratory* (2-2) Cruickshanks
Calibration of engineering instruments, testing of power plant prime movers and auxiliaries and internal combustion engines. Each student must be present one whole day when a power plant test will be made. Prerequisite: Course 111-112. Laboratory fee $10.00. *Section A*, Monday and Wednesday at 1:10 P. M. *Section B*, Monday and Wednesday at 7:30 P. M.

118. *Hydraulic Machinery* (2) ———
The theory underlying the design, selection and operation of hydraulic turbines and pumping machinery. Prerequisites: Civil Engineering 134 or concurrent with Civil Engineering 134. Tuesday and Thursday at 6:10 P. M.

125. *Methods of Manufacture* (3) Johnson
Modern manufacturing methods, machine tools, automatic machines, and quantity production. Prerequisites: Courses 8 and 14, and Civil Engineering 26. Monday, Wednesday and Friday at 6:10 P. M.

127–128. *Machine Design* (3-2) Johnson
Engineering principles already acquired are applied to the design of machines. The limitations of theoretical and empirical formulae are studied. Prerequisites: Civil Engineering 25-26 and 41 and Mechanical Engineering 125. One consultation period and two drawing periods the first semester, two drawing periods the second semester. Drafting room fee $2.00 a semester. Course 127, *Section A*, Wednesday

and Friday at 1:10 P. M., and Tuesday at 6:10 P. M. *Section B*, Monday and Friday at 7:30 P. M., and Tuesday at 6:10 P. M. Course 128, *Section A*, Wednesday and Friday at 1:10 P. M. *Section B*, Monday and Friday at 7:30 P. M.

129–130. *Power Plants* (3-3) Cruickshanks
A study of the design, layout, and installation of modern power plants and power plant equipment; the auxiliary equipment necessary to the economic operation of the power plant, as well as that necessary to meet the present-day safety laws of the various states. Practical problems based upon the text. Prerequisite: Course 112. Monday, Wednesday and Friday at 5:10 P. M.

131. *Heating and Ventilating* (2) ———
A study of the design, installation and economic operation of modern heating and ventilating systems installed in all types of buildings. Practical problems, involving all the principles studied. Prerequisite: Course 112. Tuesday and Thursday at 5:10 P. M.

132. *Combustion Engines* (3) Johnson
The design, construction and operation of gas, vaporized fuel, semi-Diesel, and Diesel engines, gas producers and equipment for utilizing waste industrial gases in engines. Prerequisites: Civil Engineering 131 and Course 111. *Section A*, Monday, Wednesday and Friday at 11:10 A. M. *Section B*, Monday, Wednesday and Friday at 6:10 P. M.

138. *Refrigeration* (2) ———
Design, construction, and installation of modern mechanical refrigeration equipment, and auxiliary equipment necessary to their enonomic operation. Practical problems, involving a knowledge of the principles as studied in this course. Prerequisite: Course 111. Tuesday and Thursday at 5:10 P. M.

MEDICINE

HENRY CRECY YARROW, M.D., *Professor Emeritus.*
STERLING RUFFIN, M.D., *Professor Emeritus.*

WILLIAM ALANSON WHITE, A.M., M.D., *Professor of Psychiatry.*
BUCKNER MAGILL RANDOLPH, M.D., *Professor of Clinical Medicine, Executive Officer.*
HENRY COOK MACATEE, M.D., *Professor of Therapeutics.*
HARRY HAMPTON DONNALLY, A.M., M.D., *Professor of Pediatrics.*
WILLIAM JOHNSTON MALLORY, A.M., M.D., *Professor of Medicine.*
CHARLES AUGUSTUS SIMPSON, M.D., *Professor of Dermatology.*
WALTER FREEMAN, A.B., M.D., *Professor of Neurology.*
COURSEN BAXTER CONKLIN, B.S., M.D., A.M., *Professor of Physical Diagnosis.*
JOHN PAUL EARNEST, JR., A.B., M.D., *Professor of Medical Jurisprudence.*
MONTGOMERY E. HIGGINS, M.D., *Professor of Tropical Medicine.*
HARRY ALFRED ONG, M.D., *Associate Professor of Pediatrics.*
ROSCOE WILLIS HALL, PH.B., M.D., *Associate Professor of Psychiatry.*
CHARLES ROBERT LEE HALLEY, A.B., M.D., *Associate Professor of Medicine.*
THOMAS ASH CLAYTOR, M.D., *Clinical Professor of Medicine.*
THOMAS SIM LEE, A.M., M.D., *Clinical Professor of Medicine.*
JOSEPH LAWN THOMPSON, A.M., M.D., *Clinical Professor of Medicine.*
WILLIAM DAVIS TEWKSBURY, M.D., *Clinical Professor of Medicine.*
NOLAN DON CHARPENTIER LEWIS, M.D., *Clinical Professor of Psychiatry.*
HENRY RICHARD SCHREIBER, M.D., *Clinical Professor of Medicine.*
JOSEPH WINTHROP PEABODY, M.D., *Clinical Professor of Medicine.*
SAMUEL KAHN, M.D., *Clinical Professor of Psychiatry.*
JOHN MORRISS LADD, M.D., *Clinical Professor of Neurology.*
FORREST M. HARRISON, M.D., *Clinical Professor of Neuro-Psychiatry.*
JOSEPH DIERSON STOUT, PH.D., M.D., *Clinical Professor of Neurology.*
MARY O'MALLEY, M.D., *Associate in Psychiatry.*
WATSON WILLIAM ELDRIDGE, M.D., *Associate in Medicine.*
PRESTON ALEXANDER MCLENDON, B.S., M.D., *Associate in Pediatrics.*
FRANK ADELBERT HORNADAY, M.S., M.D., *Associate in Medicine.*
HARRY SAUL BERNTON, A.B., M.D., *Associate in Medicine.*
EVERETT MONROE ELLISON, PH.D., M.D., *Clinical Associate in Medicine.*
JOHN EDWARD LIND, M.D., *Clinical Associate in Psychiatry.*
JOHN MINOR, A.B., M.D., *Clinical Associate in Medicine.*
LESLIE TRACY GAGER, A.B., M.D., *Clinical Associate in Medicine.*
LOUIS BERNARD CASTELL, PHAR.D., M.D., *Clinical Associate in Medicine.*
SIMON RUFUS KARPELES, M.D., *Clinical Associate in Medicine.*
EDWARD LEWIS, M.D., *Clinical Associate in Pediatrics.*
JOHN ALTON REED, M.D., *Clinical Associate in Medicine.*

Fred Aloysius Joseph Geier, M.D., *Clinical Associate in Medicine.*
Harriet Elizabeth Twombly, M.D., *Clinical Associate in Psychiatry.*
Clapham Price King, M.D., *Clinical Associate in Medicine.*
Joseph Burton Glenn, M.D., *Lecturer on Materia Medica and Therapeutics.*
Grafton Tyler Brown, B.S., M.D., *Lecturer on Allergy.*
Edward Ballard Broocks, M.D., *Instructor in Pediatrics.*
Worth Bagley Daniels, A.B., M.D., *Instructor in Physical Diagnosis.*
William Bailey Sims, M.D., *Clinical Instructor in Medicine.*
Charles Berger Campbell, Phar.D., M.D., *Clinical Instructor in Dermatology.*
Virgil Blackstone Williams, M.D., *Clinical Instructor in Medicine.*
Frank Louis Williman, B.S., M.D., *Clinical Instructor in Medicine.*
Herman Eugene Kittredge, M.D., *Clinical Instructor in Dermatology.*
Robert Massie Page, M.D., *Clinical Instructor in Medicine.*
Winthrop Allen Risk, M.D., *Clinical Instructor in Medicine.*
Hyman David Shapiro, M.D., *Clinical Instructor in Medicine.*
Harry Ford Anderson, M.D., *Clinical Instructor in Dermatology.*
Herman S. Hoffman, A.B., M.D., *Clinical Instructor in Medicine.*
Andrew Keene Bowie, M.D., *Clinical Instructor in Medicine.*
Maurice Protas, A.B., M.D., *Clinical Instructor in Medicine.*
Julia Meade Ruffin, A.M., M.D., *Clinical Instructor in Physical Diagnosis.*
John Elsworth Virnstein, B.S., M.D., *Clinical Instructor in Medicine.*
James Melvin Campbell, M.D., *Clinical Instructor in Medicine.*
Archibald Barklie Coulter, M.D., *Clinical Instructor in Medicine.*
Aaron Niemetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
Katharine Godfrey Symmonds, A.B., M.D., *Clinical Instructor in Pediatrics.*
Norvell Belt, M.D., *Clinical Instructor in Medicine.*
Charles Aurelius Schutz, M.D., *Clinical Instructor in Pediatrics.*
Roger Stahl Cohen, Litt.B., M.D., *Clinical Instructor in Neuro-Psychiatry.*
John Francis Harrington, M.D., *Clinical Instructor in Medicine.*
George Richard Huffman, A.B., M.D., *Clinical Instructor in Medicine.*
Fred August Moss, Ph.D., M.D., *Clinical Instructor in Neuro-Psychiatry.*
Eugene Clarence Rice, M.D., *Clinical Instructor in Medicine.*
Nicholas Athanasirs Mandelos, M.D., *Clinical Instructor in Medicine.*
Raphael Manganaro, M.D., *Clinical Instructor in Medicine.*
George William Creswell, A.B., M.D., *Clinical Instructor in Medicine.*

Total number of hours required in Medicine for the M.D. degree—1,121.

153–155–156. *Physical Diagnosis* (152-12) Conklin, Daniels, ———
The didactic course is given at the beginning, being necessary to outline general principles. The course is in the main

clinical consisting of section demonstrations and practice on the normal and abnormal subject. The clinical sections receive their instruction at Gallinger Municipal Hospital. 4 hours per week throughout the third year.

201–202. *General Medicine* (99-99) Mallory, Halley
Lectures, class discussions, and recitations on assigned reading. 3 hours per week throughout the third year.

211–212. *Medical Clinics* (525-0) Clinical Medical Staff
Well organized group clinics are presented in general medicine, dermatology, neurology, pediatrics and psychiatry at the bedside and in hospital dispensaries. Clinical conferences with the entire third or fourth year class in attendance are held weekly. The clinical teaching staff particularly emphasizes the technic and practice of case study. Bedside demonstrations and quizzes play a large part in clinical instruction. Daily throughout the third and fourth years.

221–222. *Clinical Pathological Conferences* (30–0)
Randolph, Hunter
Clinical records of cases dying in the University Hospital are presented by the student assigned to the case in the wards. Autopsy findings are compared with the clinical, and the specimens are demonstrated and examined by all present. 1 hour per week in the first and second semesters of the third and fourth years.

225–226. *Therapeutics* (66-66) Macatee, Glenn
Sections embracing the clinical application of drugs, and a comprehensive discussion of dietetics, physio-therapy and other therapeutic resources. 2 hours per week throughout the third year.

231–232. *Pediatrics* (24-24) Donnally
The course consists of lectures and demonstrations. 2 hours per week in the first trimester of the fourth year. (Clinical hours are included in the schedule of medical clinics.)

241–242–243. *Dermatology* (16-16) Simpson
A course of lectures in the first 16 weeks of the third year supplemented by dermatologic clinics in general dispensaries. In the fourth year special section clinics in the Dispensary of Children's Hospital. (Clinical hours are included in hour schedule of medical clinics.)

245. *Tropical Medicine* (12-12)
The course is similar to that given in the Army and Navy Medical Schools, special attention being given to disease prevalent in the United States and its possessions. 1 hour per week in the first trimester of the third year.

247. *Medical Jurisprudence* (12–12) Earnest
Lectures on the rights and obligations of physicians, both legal and ethical, and on the legal problems with which the physician is brought into contact. 1 hour per week in the first semester of the third year.

251–252. *Medical Clinics—Fourth Year* (335–0)
Randolph, Claytor, Lee, Tewksbury, Thompson, Schreiber, Eldridge, Peabody, Minor, Williams, Risk, Jansen, Bowie.
Bedside clinics in wards of general and tuberculosis hospitals, where individual case study is carried on by individual students, supplemented by bedside quizzes and demonstrations by the members of the Faculty attending. A weekly clinic for the entire class in which cases are presented by students and discussed by the class with the Chief of the Medical Department. 23 hours per week in the first and second semesters of the fourth year.

261–262. *Neurology* (30-30) Freeman
This course of clinical lectures is given at the Government Hospital for the Insane. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of medical clinics.)

271–272. *Psychiatry* (12-12) White
The clinical lectures exhibiting common types of mental deterioration, supplemented by ward and amphitheater cliinics are followed by a didactic course in the more advanced phases of the subject. 1 hour per week in the second trimester of the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

292. *Ethics* (16-16) W. C. Borden
A course of lectures on general ethics, including personal hygiene, care of laboratory equipment and general conduct, in the first year, and on medical ethics and adaptability for the profession in the fourth year. One hour per week in the last sixteen weeks in the fourth year.

MILITARY SCIENCE AND TACTICS

WILLIAM O. WETMORE, M.D., Major, Medical Corps, United States Army, *Professor of Military Science and Tactics.*

LOUIS LATHROP SHOOK, D.V.S., Captain, Veterinary Corps, United States Army, *Assistant Professor of Military Science and Tactics.*

The Reserve Officers Training work is elective.

11–12–13. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Practical and theoretical instruction in the following subjects: Military courtesy and discipline, policy, organization, administration, law, medicine, hygiene and first aid. 1 hour per week throughout the first year.

21–22–23. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Map reading, organization of the medical department for caring for, transporting of the sick and wounded from the firing line to the hospitals in the interior, tactics and technique of the several branches of the Army, hospitalization, sanitation with reference to posts, camps, and marches. 1 hour per week throughout the second year.

103–104. *(Advanced Medical Course) Military Science and Tactics*

Wetmore

Physical examinations of masses as employed in the Army, food and its relation to disease, water and its relation to disease, prevention and control of communicable diseases from the military standpoint, sanitation in field and garrison. 1 hour per week throughout the third year.

123–124. *(Advanced Medical Course) Military Science and Tactics*

Wetmore, Shook

Service in the O. R. C., military hospitals and hospitalization in war, medical and surgical diseases peculiar to war, medical aspects of chemical warfare, aviation medicine, medical aspects of mobilization. Inspection of dairies, ice cream plants and packing houses. Methods used by the Army in selecting meats and meat products. Regulations concerning the slaughtering and preparation of meat and meat products. 1 hour per week throughout the fourth year.

OBSTETRICS AND GYNECOLOGY

HURON WILLIS LAWSON, M.S., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*
HOWARD FRANCIS KANE, A.B., M.D., *Associate Professor of Obstetrics.*
ELIJAH WHITE TITUS, PHAR.D., M.D., *Associate Professor of Gynecology.*
GIDEON BROWN MILLER, B.S., C.E., M.D., *Clinical Professor of Gynecology.*
THOMAS EDWIN NEILL, M.D., *Clinical Professor of Gynecology.*
RICHARD LEE SILVESTER, M.S., M.D., *Clinical Professor of Obstetrics.*
CYRUS WHITNEY CULVER, C.M., M.D., *Associate in Obstetrics.*
HENRY LAURAN DARNER, A.B., M.D., *Clinical Associate in Gynecology.*
EDGAR SNOWDEN, M.D., *Clinical Associate in Obstetrics.*
JOSEPH HARRIS, A.B., M.D., *Instructor in Obstetrics.*
JACOB KOTZ, M.D., *Clinical Instructor in Obstetrics.*
HELEN GLADYS KAIN, B.S., M.D., *Clinical Instructor in Gynecology.*
VIRGIL B. JACKSON, M.D., *Clinical Instructor in Gynecology.*
GEORGE NORDLINGER, A.B., M.D., *Clinical Instructor in Gynecology and Obstetrics.*
HENRY JOHN RUSSELL MCNITT, B.S., M.D., *Clinical Instructor in Obstetrics.*
HERBERT PERCY RAMSAY, A.B., M.D., *Clinical Instructor in Gynecology.*
WILLIAM RAYMOND THOMAS, M.D., *Clinical Instructor in Obstetrics.*
LAURENCE LEE COCKERILLE, M.D., *Clinical Instructor in Obstetrics.*
BERNARD NOTES, M.D., *Clinical Instructor in Obstetrics.*
FRANK EDWARD GANTZ, M.D., *Clinical Instructor in Gynecology.*
WILLIAM PRESTON HAYNES, M.D., *Clinical Instructor in Obstetrics.*
ESTHER ALSYLVIA NATHANSON, A.B., M.D., *Clinical Instructor in Gynecology.*

Total number of hours required in Obstetrics and Gynecology for the M.D. degree—251.

211–212. *Normal Obstetrics* (66-66) Lawson, Kane, Silvester, Harris
Lectures and recitations on the physiology and management of normal pregnancy, labor and the puerperium. The physiology and the immediate care of the newborn child are included. Some of the complications of pregnancy are considered in this course near the end of the year. 2 hours per week in the first and second semesters of the third year.

213–214. *Obstetrical Demonstrations* (16-0)
Harris, Thomas, Cockerille
During the first semester laboratory studies are made of the bony pelvis in relation to childbearing; the changes in the soft tissues due to pregnancy, and the fetus at different

ages. During the second semester methods of antepartum examinations are demonstrated in the dispensaries and the clinical course and management of normal labor studied in the delivery wards. The student observes at least four normal deliveries. Sections 2 hours per week, eight weeks throughout the third year.

251–252. *Abnormal Obstetrics* (30-30) Lawson
Lectures, recitations and conferences on the pathology of pregnancy, labor and the puerperium. Birth injuries to the fetus are discussed and demonstrated. The course concludes with a consideration of operative obstetrics. 2 hours per week throughout the fourth year.

258. *Manikin Demonstrations* (12-0)
Harris, Thomas, Cockerille
A course of exercises on the mechanism, diagnosis of presentation and position of labor, version and extraction, delivery by forceps, and other manipulations and operations, use being made of bony and metal pelves, the manikin fetuses. Sections 2 hours per week for six weeks in the second and third trimesters of the fourth year.

261–262. *Clinical Obstetrics* (50-0) Lawson, Silvester, Culver
This embraces dispensary clinics on prenatal care, ward clinics, observation of abnormal deliveries, and the attendance under supervision of six cases in the out-patient service. Throughout the fourth year.

223–224. *Principles and Practice of Gynecology* (45-45)
Titus, Kotz, Darner
A course of lectures and recitations on the subject matter of gynecology, medical and surgical, as generally accepted, with dispensary clinics to demonstrate principles taught. 1 hour per week in the first and second trimesters, 2 hours per week in the third trimester of the third year.

273–274. *Clinical Gynecology* (32-0)
Titus, Miller, Neill, Nordlinger, McNitt, Jackson, Ramsay, Darner
Clinical instruction in various hospitals covering the more important gynecological diseases and operations. Sections throughout the fourth year.

PHARMACOLOGY

GEORGE BYRON ROTH, A.B., M.D., *Professor of Pharmacology, Executive Officer.*
JAMES HOLMES DEFANDORF, A.M., *Associate Professor of Pharmacology.*

Total number of hours required in Pharmacology for the M.D. degree—172.

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151. *Chemical Pharmacology* (36–0) Defandorf
This laboratory course aims to teach the elements of the pharmacy of the more important medicinal agents and to acquaint the student with the fundamentals underlying the chemical incompatibilties of drugs. The characteristic reactions of the more common constituents in drugs are emphasized and the excretion of certain drugs in man is investigated. 3 hours per week in the first semester of the second year.

152. *Pharmacodynamics* (50-0) Roth, Defandorf
The instruction in Pharmacodynamics is also practical and consists of demonstrations and student experiments to illustrate the biological effects and nature of the action of the more important pharmacological agents, proceeding from the simple to the more complex tissues and finally to the organism as a whole. If possible, the site of the action of the drug is ascertained, thus affording a rational basis for its use in therapeutics. 5 hours per week in the second trimester of the second year.

161–162–163. *Systematic Pharmacology* (76–76) Roth
This is a didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents and brings them into more intimate connection with their clinical use, special consideration being given to the drugs found in the United States Pharmacopoeia and New and Non-Official Remedies. 2 hours per week in the first and third trimesters, and 3 hours per week in the second trimester of the second year.

174. *Principles of Prescription Writing* (10–0) Roth
Conferences on the form of the prescription and drill in elemental prescription writing. 1 hour per week in the second trimester of the second year.

PHARMACY

Louis Francis Bradley, Phar.D., *Professorial Lecturer in Pharmacy.*
William Paul Briggs, B.S. in Phar., *Associate Professor of Pharmacy, Executive Officer.*
Eugene Christian Brokmeyer, *Lecturer on Pharmaceutical Jurisprudence.*
Asa Vernon Burdine, *Lecturer on Commercial Pharmacy.*
Fred Burns Campbell, Phar.D., *Lecturer on Toxicology.*
Clayton Howard Hixon, M.D., *Lecturer on Physiology.*
Marvin Thompson, Ph.G., *Lecturer on Pharmacology.*
A. Magruder MacDonald, M.D., *Lecturer on First Aid.*
Henry Dunn Hughes, *Lecturer on Perfumes and Cosmetics and Pharmaceutical Mathematics.*
Augustus Carrier Taylor, *Lecturer on Pharmaceutical Ethics.*
Ewald Witt, M.Sc. in Phar., *Instructor in Pharmacy.*

Requirements for the degree in Pharmacy: See curricula on page 179.

FIRST SECTION

1–2. *Theoretical Pharmacy* (2-2) Briggs and Witt
Principles of pharmaceutical operations, and the theory of the manufacture of Pharmacopoeial and National Formulary preparations. Monday and Wednesday, 9:10 to 10:00 A. M.

3–4. *Manufacturing Pharmacy* (3-3) Briggs, Witt and Assistants
Laboratory—to be taken concurrently with Courses 1–2. *Section A*, Monday and Wednesday, 10:10 A. M. to 1:00 P. M. *Section B*, Monday and Wednesday, 1:10 to 4:00 P. M.

5–6. *Pharmaceutical Mathematics* (1-1) Hughes
Systems of weights and measures and methods of conversion from one to another; thermometers and the measurement of temperatures; calculation of specific gravity; calculations used in reducing and enlarging formulas. Friday, 3:10 to 4:00 P. M.

9. *History of Pharmacy* (1) Taylor
The development of the profession from the earliest time to the present. Friday, 11:10 A. M. to 12:00.

53. *Pharmacy* (2) Witt
A study of the volatile and fixed oils, petroleum products, glucosides, alkaloids, etc. Tuesday and Thursday, 9:10 to 10:00 A. M.

54. *Pharmaceutical Chemistry* (2) Briggs
The inorganic and organic compounds of the U. S. P. and N. F., including manufacture, tests for purity and identity. Prerequisites: Chemistry 3-4 or 5-6. Tuesday and Thursday, 9:10 to 10:00 A. M.

61–62. *Dispensing Pharmacy and Qualitative Analysis* (3-3)
Briggs, Witt and Assistants
Laboratory work illustrating by practice the approved methods of compounding a selected series of prescriptions numbering about 175. The last part of the second semester will be devoted to pharmaceutical qualitative analysis. Two laboratories a week. Tuesday and Thursday, 10:10 A. M. to 1:00 P. M.

63–64. *Dispensing Pharmacy* (1-1) Briggs
Lecture course to be taken concurrently with Courses 61 and 62. Friday, 10:10 to 11:00 A. M.

65–66. *Pharmacology* (3-3) Thompson
The year's work is divided into three parts: (1) *Pharmacodynamics and Therapeutics*—The study of the physiological actions and uses of medicinal agents of the U. S. P. and N. F. (2) *Materia Medica and Posology*—The study of the U. S. P. and N. F. drugs as regards identification, selection, sources, properties, uses and therapeutic dosage. (3) *Biological Testing and Assaying*—Biological drug assaying with special reference to the methods of the U. S. P. and N. F. Monday, Wednesday and Friday, 5:10 to 6:00 P. M.

67–68. *Pharmaceutical Latin* (1-1) Thompson
Latin as applied in the prescription and in the various pharmaceutical dispensaries. Monday, 8:10 to 9:00 A. M.

70–71. *Pharmaceutical Mathematics* (1-1) Hughes
Continuation of Courses 5-6. Friday, 4:10 to 5:00 P. M.

73–74. *Toxicology* (1-1) Campbell
A classification of poisons and their antidotes; a study of therapeutic and lethal doses. Wednesday, 12:10 to 1:00 P. M.

77–78. *Physiology* (1-1) Hixon
A general study of the structure and functions of the human body. Wednesday, 4:10 to 5:00 P. M.

SECOND SECTION

101–102. *Pharmaceutical Jurisprudence* (1–1) Brokmeyer
A theoretical and practical knowledge of laws governing the practice of pharmacy. Monday, 12:10 to 1:00 P. M.

151. *Dispensing Pharmacy* (2) Briggs
Continuation of Courses 63-64 especially stressing incompatibility and methods of correcting same. Friday and Saturday, 9:10 to 10:00 A. M.

152. *Pharmacy* (2) Witt
The U. S. P. methods of analysis, physical and other tests, etc. Some food analysis is also included in this course. Friday and Saturday, 9:10 to 10:00 A. M. To be taken concurrently with Pharmacy 158.

157. *Dispensing Pharmacy* (3) Briggs and Assistants
Continuation of Courses 61-62. Original prescriptions are compounded and dispensed involving ambiguous and incompatible prescriptions and many proprietaries. Friday and Saturday, 10:10 A. M. to 1:00 P. M.

158. *Pharmacy* (*Drug Analysis*) (3) ———
A few gravimetric analyses of U. S. P. drugs, followed by volumetric work on first inorganic chemicals and then fluid extracts, tinctures, etc. The student is required to prepare a separation and positive identification of one official alkaloid. This is followed by work on saponification value of fats, etc., acid and iodine numbers, estimation of volatile oils, and various assays on products manufactured by first year students. Friday and Saturday, 10:10 A. M. to 1:00 P. M.

162. *Ethics* (1) Taylor
A discussion of the motives and institutions of the pharmaceutical profession. Friday, 2:10 to 3:00 P. M.

165–166. *Commercial Pharmacy* (2–2) Burdine
The course consists of elementary economics, history of money, financing, planning and equipping new stores, selection of locations, management problem and duties, turnover, commercial arithmetic, expense and overhead, inventories, business economics, system and store service, business correspondence, retail buying, salesmanship, sales, plans and merchandising, advertising, display work, departmentizing and business building. First semester, Saturday, 1:10 to 3:00 P. M.; second semester, Wednesday, 2:10 to 4:00 P. M.

169–170. *Pharmacology* (2-2) Thompson
Continuation of Course 65-66. Tuesday and Thursday, 5:10 to 6:00 P. M.

173–174. *Medical Emergencies and First Aid* (1–1) MacDonald
This course of lectures is designed to acquaint the student with emergencies both of a medical and surgical nature; the recognition and emergency treatment of same. Thursday, 4:10 to 5:00 P. M.

181–182. *Advanced Pharmacy* (3–3) Briggs
Lecture and laboratory in advanced points of pharmaceutic interest.

183–184. *Perfumes and Cosmetics* (1–1) Hughes
A lecture course treating on the industrial processes employed in both France and the States in the manufacture of perfume extracts, sachets, face and talc powders, vanishing and cold creams, soaps, dental preparations, etc. The course is augmented by demonstrations on a small scale wherever possible. Tuesday, 5:00 to 6:00 P. M.

PHILOSOPHY

EDWARD ELLIOTT RICHARDSON, M.D., PH.D., *Elton Professor of Mental and Moral Philosophy.*
JESSE VIRGIL MAUZEY, A.M., *Visiting Instructor in Philosophy.*

Minimum requirements for the major: Philosophy—24 semester hours, including Courses 103, 111–112, 121, 131 and 6 semester hours of Psychology.

SECOND SECTION

101. *Introduction to Philosophy* (2) Richardson, Mauzey
Summer Term 1929: (Mauzey) Daily except Saturday at 8:40 A. M.

103. *Principles of Philosophy* (3) Richardson
The principles, problems and theories of philosophy. *Section A* (given in first semester), Tuesday, Thursday and Saturday at 9:10 A. M. *Section B* (given in second semester), Monday, Wednesday and Friday at 5:10 P. M.

111–112. *History of Philosophy* (3–3) Richardson
Ancient and Mediaeval philosophy; Modern philosophy. *Section A*, Tuesday, Thursday and Saturday at 10:10 A. M. *Section B*, Monday, Wednesday and Friday at 6:10 P. M.

121. *Logic* (3) Ruediger, Mauzey
The field of logic; the organization of knowledge, induction and deduction; logical analysis. *Section A* (given in first semester), Tuesday, Thursday and Saturday at 9:10 A. M. *Section B* (given in second semester), Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: (Mauzey) Daily except Saturday at 6:10 P. M.

131. *Ethics* (3) Richardson, Mauzey
The principal ethical theories from the historical and social points of view. *Section A* (given in second semester), Tuesday, Thursday and Saturday at 9:10 A. M. *Section B* (given in first semester), Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: (Mauzey) Daily except Saturday at 7:00 P. M.

THIRD SECTION

251–252. *Seminar* (3–3) Richardson
Consideration of special problems. Wednesday, 7:00 to 9:00 P. M.

PHYSICAL EDUCATION FOR MEN

JAMES EBENEZER PIXLEE, B.S., *Professor of Physical Education for Men, Executive Officer.*
_____, *Associate in Physical Education .*
_____, *Associate in Physical Education.*

The department includes under its jurisdiction all of the recognized athletic activities of the men students of the University. Work is so arranged that every student, regardless of his ability, is enabled and encouraged to take part in some of the activities. Enrollment in some chosen specified sport is required of first and second year students in Columbian College, The School of Engineering, The School of Education, The School of Pharmacy, The School of Government, The Division of Library Science and The Division of Fine Arts (Graphic Art students) in regular attendance.

Physical examination is made of all men entering the University, and of all candidates for teams or athletic competition.

Students enrolling in physical education courses will be required to furnish their personal uniforms and equipment. The University, through the Director, makes special provision for those desiring to purchase such equipment.

1–2. *Calisthenics and Gymnasium.*
Tuesday, Thursday and Saturday at 9:10 and 11:10 A. M.

11–12. *Gymnasium Sports*
Tuesday, Thursday and Saturday. Hours to be arranged.

15. *Football* Pixlee and Staff
Monday to Friday inclusive, 2:30 to 4:30 P. M., October 1st to November 25th; required three periods per week.

17–18. *Basketball* Pixlee and Staff
Monday, Wednesday and Saturday, 2:30 to 4:00 P. M., October 1st to March 1st.

19. *Baseball* Pixlee and Staff
Monday, Wednesday and Saturday, 2:30 to 4:00 P. M., March 1st to May 15th.

21. *Track*
Monday, Wednesday and Saturday, 2:30 to 4:00 P. M., March 1st to May 15th.

23. *Tennis*
Monday, Wednesday and Saturday, 2:30 to 4:00 P. M., March 1st to May 15th.

PHYSICAL EDUCATION FOR WOMEN

RUTH HARRIET ATWELL, PH.B., *Associate Professor of Physical Education for Women, Executive Officer.*
JANET PEIRSON JONES, B.S., *Instructor in Physical Education.*

Physical Education Courses 1–2 and 3–4 constitute the requirement for graduation and are compulsory for all freshman and sophomore women. Students entering the University with advanced standing are exempt from this requirement if they have satisfactorily completed the work elsewhere. Because of the necessity for uniformity of costume the required gymnasium outfit must be ordered through the office of the Director of Physical Education.

Upon entrance all students are given a complete medical and physical examination, stress being laid on investigation of conditions which are susceptible to improvement. To encourage improvement a bi-monthly conference is required of each student, at which time advice is offered by members of the staff in conjunction with the resident physician.

All requests for postponement of Physical Education must be made and approved at the office of the Director. No student is exempt from physical education work without the recommendation of the University Medical Staff and the Director of Physical Education. Exemption is based largely on the findings of the required medical and physical examination.

Students who are physically unable to do the regular work are assigned to individual gymnastic classes which are modified to suit their needs and conducted under the direct supervision of the resident physician.

All women students are urged to take at least one hour of exercise every day. The facilities of the Department are available for this purpose to all women students.

*1–2. *Freshman Assignments* (1-1) The Staff
Personal Hygiene
A course designed to place before each student the ideal of a well-balanced program for daily living, based on the general physiological laws of personal hygiene. Required of freshmen throughout the year. One hour, Wednesday, 9:10, 10:10 or 11:10 A. M.

Fall Season. During this season freshmen may elect one of the following sports: hockey, archery, hiking, soccer.

* Three hours a week of physical education work constitute the yearly assignment for women students.

Winter Season. Gymnasium (see Course 11-12); required two hours each week.

Spring Season. During this season freshmen may elect one of the following sports: track, tennis, riding, golf, archery, baseball.

Individual Gymnastics. Individually adapted exercises for students who are unable to take the regular required work.

*3–4. *Sophomore Assignments* (1-1) The Staff

Fall Season. During this season sophomores may elect one of the following sports: hockey, archery, golf, tennis, riding, soccer.

Winter Season. During this season sophomores may elect one of the following sports: natural dancing, fencing, basketball, swimming, rifle, clogging. Swimming is required throughout the winter term for all sophomores who are unable to pass the swimming test.

Spring Season. During this season sophomores may elect one of the following sports: track, tennis, riding, archery, golf, baseball.

Individual Gymnastics. Individually adpated exercises for students who are unable to take the regular required work.

7. *Hockey* Atwell
Group instruction for beginners and advanced players. Fundamentals of strokes and team plays. September. October, November. Monday, Tuesday, Thursday and Friday, 1:30 to 2:30 P. M.

8. *Tennis* Jones
Fundamentals of the serve and various strokes. April and May. Monday, Tuesday, Thursday and Friday, 1:00 to 2:00 P. M.

9. *Soccer* Jones
Group instruction parallel with that of Field Hockey. November. Monday, Tuesday, Thursday and Friday, 1:30 to 2:30 P. M.

10. *Track* Jones
Practice in the technique of running high jump, running broad jump, sprinting, hurdles, shot put and discus throw. Monday, Tuesday, Thursday and Friday, 1:00 to 2:00 P. M.

* Two hours a week of physical educational work constitute the yearly assignment for women students.

11–12. *Gymnasium* Jones
Gymnasium team games; folk dancing; clogging; stunts; exercises for the purpose of developing fundamental motor skills and good posture. Required of freshmen during the winter season. Uniform fee $10.00. Monday and Friday, 9:10, 10:10 or 11:10 A. M.

13–14. *Individual Gymnastics* Chapman, Jones
Individually adapted exercises for students who are unable to take the regular required work. Hours to be assigned.

15–16. *Archery* Jones
Instruction in fundamentals of correct form. September, October, November, April and May. Monday, Tuesday, Thursday and Friday, 1:00 to 2:00 P. M.

17–18. *Hiking* Jones
Morning hikes are conducted through Potomac Park. Week-end hikes upon request. September, October, November, April, May. Monday, Wednesday and Friday, 9:10, 10:10, or 11:10 A. M.; Tuesday, Thursday and Saturday, 9:10, 10:10, or 11:10 A. M.

19–20. *Rifle* ———
Instruction for beginners in technique of standing, off-hand and prone shooting. Experienced shooters are given additional instruction in prone-shooting. October through January (beginners), November through March (advanced). Hours to be announced.

21–22. *Basketball* Atwell
Fundamentals of technique and rules of the game for beginners. Special technique and team plays for experienced players. December, January, February, March. Tuesday, Thursday and Friday, 1:10 to 3:10 P. M.

23–24. *Natural Dancing* Atwell
Dancing based on fundamental body movements: skipping, leaping, walking, running, for the purpose of developing better poise, greater freedom and body control. A special costume is required. December through March—Wednesday and Friday at 1:10 P. M.

24–26. *Clogging* Atwell
Character and athletic dancing. Definite steps combined with appropriate pantomime. December through March—Tuesday and Thursday at 1:10 P. M.

27–28. *Swimming* Jones, Atwell
Instruction for beginners, intermediates, and advanced swimmers. December through March. Hours to be announced. Elective for advanced swimmers during April and May.

30. *Life-Saving* Atwell
Land drill and water work in preparation for lifesaver's certificate. Examination is outlined and given by American Red Cross Life-Saving Representatives. April and May. Hours to be announced.

31–32. *Fencing* Jones
After several weeks of uniform instruction fencers will be divided into two groups, beginners and advanced. December through March. Hours to be announced.

33–34. *Riding*
Arrangements are made with a riding school, whereby a special fee is offered to students interested in this sport.

35–36. *Golf*
Group instruction is offered by a golf professional to students interested in this sport. A nominal fee is charged.

38. *Baseball* Jones
Fundamentals of technique and rules of the game. April and May. Hours to be announced.

PHYSICS

WILLIAM JACKSON HUMPHREYS, PH.D., *Professor of Meteorological Physics.*
THOMAS BENJAMIN BROWN, PH.D., *Professor of Physics, Executive Officer.*
WALTER LYNN CHENEY, PH.D., *Professor of Physics.*
LOUIS COHEN, PH.D., *Professorial Lecturer in Physics.*
ARTHUR JOHN M. JOHNSON, PH.D., *Assistant Professor of Physics.*
CHARLES EDWIN VAN ORSTRAND, M.S., *Lecturer in Mathematical Physics.*
FREDERICK EUGENE FOWLE, JR., S.B., *Lecturer on Astro-physics.*
CHARLES GARFIELD EICHLIN, M.S., *Associate in Physics.*
HENRY THEODORE WENSEL, PH.D., *Associate in Physics.*

Minimum requirements for the major:

For the A.B. degree: Physics—Physics 7-8 (or 9-10), Calculus, and at least sixteen additional semester hours credit in Physics, including Physics 131–132. *Physical Science*—Thirty semester hour credits of Physics and Chemistry, as specified by the Executive Officers of these Departments.

For the B. S. degree: Physics 7-8 or 9-10, Calculus, and at least twenty additional semester hour credits in Physics, including Physics 131-132.

FIRST SECTION

3–4. *Principles of Physics* (3-3) Johnson

For students who are not making science their major study. Course 3 includes Properties of Matter, Heat, and Magnetism. Course 4 includes Electricity, Sound, and Light. Monday, Wednesday and Friday at 11:10 A. M.

†7–8. *General Physics* (4-4) Brown and Staff

For students making science their major study who have credit for High School Physics. Others should take Physics 9-10. Material fee $5.00 a semester. *Section A*, Tuesday, Thursday and Saturday at 11:10 A. M.; Laboratory—Monday, Wednesday or Friday, 1:00 to 3:00 P. M. *Section B*, Monday, Wednesday and Friday at 5:10 P. M. Laboratory—Monday, Wednesday or Friday, 7:30 to 9:30 P. M. *Summer Term 1929*: Hours to be announced.

†9–10. *General Physics* (5-5) Johnson and Staff

For students who are making science their major study, but who have no credit for High School Physics. Material fee $8.00 a semester. Tuesday, Thursday and Saturday at 5:10 P. M. Laboratory—Tuesday and Thursday, 1:00 to 3:00 P. M., or Tuesday and Thursday, 7:30 to 9:30 P. M.

†15–16. *Physics for Engineering Students* (2-2) Cheney and Staff
Prerequisites: Mathematics 11-12, and Physics 7-8 or 9-10. Physics 7-8 may be taken concurrently. Material fee $4.00 a semester. *Section A*, Tuesday at 9:10 A. M.; laboratory, Saturday, 9:00 to 11:00 A. M. *Section B*, Saturday at 6:10 P. M.; laboratory, Monday or Friday, 7:30 to 9:30 P. M.

SECOND SECTION

111–112. *Mechanics and Heat* (3-3) Cheney
Prerequisites: Physics 7-8 or 9-10, and Calculus. Tuesday, Thursday and Saturday at 5:10 P. M.

†115–116. *Light and Sound* (3-3) Brown
Prerequisites: Physics 7-8 or 9-10, and Calculus. Monday, Wednesday and Friday at 6:10 P. M.

†123–124. *Magnetism and Electricity* (3-3) Cheney
Prerequisites: Physics 7-8 or 9-10, and Calculus. (Given in 1928-29 and alternate years.)

131–132. *Advanced Laboratory Physics* (2-2) Brown
Arranged primarily to accompany Courses 111–112, 115–116, and 123–124. Prerequisites: Physics 7-8 or 9-10, and Calculus. Material fee $8.00 a semester. Schedule of experiments and hours by arrangement.

THIRD SECTION

211. *Dynamics* (3) Cheney
Prerequisite: Physics 111 or its equivalent. (Given in 1928-29 and alternate years.)

212. *Thermodynamics* (3) Cheney
Prerequisite: Physics 112 or its equivalent. (Given in 1928-29 and alternate years.)

†215–216. *Wave Motion and Physical Optics* (3-3) Brown
Prerequisites: Physics 115-116 or the equivalent. (Given in 1928-29 and alternate years.)

†223–224. *Advanced Electrical Theory* (3-3) Cheney
Prerequisites: Physics 123-124 or the equivalent. Tuesday, Thursday and Saturday at 6:10 P. M.

231–232. *Graduate Laboratory Physics* (2-2) Cheney
For graduate students needing additional laboratory practice as preparation for research work. Material fee $8.00 a semester. Schedule of work and hours by arrangement.

251. *Atomic Structure* (3) Johnson
Emission and absorption spectra of the elements and compounds; series relationships in spectra; laws of radiation; quantum theory of the atom; application to molecular structure. Monday, Wednesday and Friday at 5:10 P. M.

252. *X-Rays and Radioactivity* (3) Johnson
Cathode rays; gamma rays; positive rays; isotopes; production, properties, and effects of X-rays; crystal structure and X-ray analysis. Monday, Wednesday and Friday at 5:10 P. M.

261–262. *Seminar in Mathematical Physics* (2-2) Van Orstrand
Conduction of heat and other physical applications of Fourier's Series and Spherical Harmonics are the topics to be considered in 1929-30. Ingersol and Zobel—Mathematical Theory of Heat Conduction, and Byerly—Spherical Harmonics. Saturday at 5:10 P. M.

†271–272. *Astrophysics* (3–3) Fowle
General principles. The principles, purpose and use of astrophysical instruments. Lectures and laboratory. Hours to be arranged.

†281–282. *Meteorological Physics* (3–3) Humphreys
The interpretation of meteorological data in the light of modern physics. Those wishing to make this their principal study will be advised in the selection of a suitable problem for investigation and advised in the collection of data necessary to its solution. Hours to be arranged.

291–292. *Electric Circuit Theory* (3–3) Cohen
The application of Heaviside methods to the solution of electrical problems. Hours to be arranged.

PHYSIOLOGY

LESLIE HOWSON FRENCH, M.D., *Professor of Physiology, Executive Officer.*
ROBERT JOSEPH BOSWORTH, A.B., M.D., *Associate Professor of Physiology.*
————, *Instructor.*

Total number of hours required in Physiology for the M.D. degree—265.

111–112–113. *Physiology* (145-145) French, Bosworth
Course of systematic lectures, recitation and conferences covering the physiology of Muscle, Nerve, Blood, Lymph, Circulation, Respiration, Digestion, Excretion, Secretion, Senses Organs, Metabolism, Endocrine and Central Nervous Systems. 3 hours per week in the first and second trimesters and 5 hours per week in the third trimester of the first year, and 3 hours per week in the first trimester of the second year.

151. *Experimental Physiology* (120–0) French, Bosworth
Course of laboratory exercises and demonstrations selected to illustrate the fundamental principles of physiology and to impress the student with the importance of observation and correlation. Quizzes and conferences precede each laboratory session. The course includes a theoretical and practical study of the Electro-cardiograph, Polygraph, Basal Metabolic and Gas Analysis apparatus. 10 hours per week in the first trimester of the second year.

*251. *Clinical Physiology* (12-0) French
Course of laboratory and ward demonstrations and conferences covering disturbances of function associated with diseases of the neuro-muscular, digestive, urogenital, blood, cardio-vascular, renal, respiratory and endocrine systems. The subject matter is presented in such a way as to interpret clinical pictures, explain certain functional diagnostic procedures and suggest rational preventative and curative therapeutic principles. The class is divided into sections. 2 hours per week. Sections for ten weeks during the fourth year.

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*Hours included in hour schedule of Department of Medicine.

POLITICAL SCIENCE

CHARLES EDWARD HILL, PH.D., *Professor of Political Science.*
WARREN REED WEST, PH.D., *Associate Professor of Political Science, Executive Officer.*
JOHN ALBERT TILLEMA, PH.D., *Assistant Professor of Political Science.*
WILLIAM STULL HOLT, PH.D., *Assistant Professor of Political Science.*

Minimum requirements for the major: 24 semester hours, in which 9–10 may be included.

Any second section course is open to students who have completed Course 9-10 or its equivalent. Permission of the department must be secured in other cases.

Permission of the department is necessary for registration in third section courses.

FIRST SECTION

9–10. *Government of the United States* (3–3) Hill and Staff
Government of the United States; state government and a survey of city and county government.

Section A, Monday, Wednesday and Friday at 9:10 A. M., West.

Section B, Monday, Wednesday and Friday at 11:10 A. M., West.

Section C, Monday, Wednesday and Friday at 6:10 P. M. Tillema.

Section D, Monday, Wednesday and Friday at 5:10 P. M., Holt.

Section E, Tuesday, Thursday and Saturday at 9:10 A. M., Tillema.

Section F, Tuesday, Thursday and Saturday at 11:10 A. M., Tillema.

Section G, Tuesday, Thursday and Saturday at 5:10 P. M., Hill.

Section H, Tuesday, Thursday and Saturday at 6:10 P. M., Holt.

Summer Term 1929: Course 9, Daily except Saturday at 6:10 P. M., Hill. Course 10, daily except Saturday at 7:40 A. M., Tillema.

SECOND SECTION

111–112. *Comparative European Governments* (3–3) Tillema
Monday, Wednesday and Friday at 10:10 A. M. *Summer Term 1929*: (2) Daily except Saturday at 9:40 A. M.

115. *Municipal Government in the United States* (3) Tillema
Monday, Wednesday and Friday at 5:10 P. M.

116. *Political Parties* (3) West
(Not given in 1929-30.)

117. *Political Theory* (3) West
(Not given in 1929-30.)

121. *Constitutional Law* (3) West
Tuesday, Thursday and Saturday at 5:10 P. M.

124. *Legislative Organization and Control of Administration* (3) West
Tuesday, Thursday and Saturday at 5:10 P. M.

165. *World Politics* (3) Hill
Summer Term 1929: Daily except Saturday at 5:10 P. M.

171–172. *International Relations* (3-3) Holt
Monday, Wednesday and Friday at 9:10 A. M.

181–182. *International Law* (3–3) Hill
Tuesday, Thursday and Saturday at 11:10 A. M.

191. *The Near East* (3) _____
Monday, Wednesday and Friday at 5:10 P. M.

192. *Far East* (3) _____
Monday, Wednesday and Friday at 5:10 P. M.

194. *Latin America* (3) Tillema
Monday, Wednesday and Friday at 5:10 P. M. *Summer Term 1929*: (2) Daily except Saturday at 10:40 A. M.

THIRD SECTION

209–210. *Seminar* (3-3) West
Tuesday and Thursday at 6:10 P. M.

281. *Seminar* (3) Hill
Summer Term 1929: Tuesday and Thursday from 7:00 P. M. to 8:30 P. M.

PSYCHOLOGY

Fred August Moss, Ph.D., M.D., *Professor of Psychology, Executive Officer.*
William Middleton, A.M., *Lecturer in Psychology.*
Katharine Tait Omwake, Ph.D., *Lecturer in Psychology.*
Thelma Hunt, Ph.D., *Instructor in Psychology.*

Minimum requirements for the major: 24 semester hours in second and third section courses, including Courses 115, 116, 120, 131, 159, and 186, and at least one third section course.

For those who expect to enter the field of personnel management, the following courses are recommended: 101, 115, 116, 120, 131, 141, 142, 251, and 252. Political Science 9 and 10 and the Seminar in Political Science are also advised.

FIRST SECTION

1. *General Psychology* (3) Moss, Hunt
The fundamental principles underlying human behavior.
Section A, Monday, Wednesday and Friday at 10:10 A. M.
Section B, Tuesday, Thursday and Saturday at 11:10 A. M.
Section C, Monday, Wednesday and Friday at 5:10 P. M.
Section D, Tuesday, Thursday and Saturday at 6:10 P. M.
Summer Term 1929: Daily except Saturday at 6:10 P. M.

2. *Applied Psychology* (3) Moss, Hunt
The applications of psychology in business, industry, law, medicine and education.
Section A, Monday, Wednesday and Friday at 10:10 A. M.
Section B, Tuesday, Thursday and Saturday at 11:10 A. M.
Section C, Monday, Wednesday and Friday at 5:10 P. M.
Section D, Tuesday, Thursday and Saturday at 6:10 P. M.
Summer Term 1929: Daily except Saturday at 5:10 P. M.

SECOND SECTION

101. *Educational Psychology* (3) Hunt
The learning process; types of learning; methods, conditions, and incentives; individual differences; transfer of training. Constant reference to experimental literature. Tuesday, Thursday and Saturday at 5:10 P. M.

103. *Psychology for Teachers* (2) Hunt
A briefer course than 101, but parallel with it. Saturday at 11:10 A. M. to 1:00 P. M. *Summer Term 1929*: Daily except Saturday at 9:40 A. M.

105. *Psychology of Childhood*
(See Education 105)

109–110. *Child Development*
(See Education 109–110)

115. *Clinical Psychology* (3) Moss, Omwake
The causes, diagnosis and treatment of the various types of mental disorders, together with clinics. *Section A*, Monday, Wednesday and Friday at 11:10 A. M. *Section B*, Monday, Wednesday and Friday at 6:10 P. M.

116. *Physiological Psychology* (3) Moss, Omwake
The biological foundations of behavior, both normal and abnormal. With clinics. *Section A*, Monday, Wednesday and Friday at 11:10 A. M. *Section B*, Monday, Wednesday and Friday at 6:10 P. M.

120. *Psychological Tests* (3) Hunt
The more common uses of psychological tests in business, industry, law, medicine, and education. Material fee $3.00. *Section A*, Monday, Wednesday and Friday at 9:10 A. M. *Section B*, Tuesday, Thursday and Saturday at 5:10 P. M. *Summer Term 1929*: Daily except Saturday at 7:45 A. M.

131. *Statistics in Psychology and Education* (3) Hunt
Monday, Wednesday and Friday at 9:10 A. M.

132. *Statistical Methods in Education* (2) Hunt
A briefer course than 131, but parallel with it. Saturday at 11:10 A. M. to 1:00 P. M. *Summer Term 1929*: Daily except Saturday at 10:40 A. M.

141–142. *Employment Psychology* (3-3) Moss, Omwake
The principles of job analysis, methods of selection, placement and promotion of personnel. Individual instruction in the use of standardized tests and research methods in cooperation with the personnel officers in local industrial organizations. Tuesday and Thursday at 10:10 A. M. Hours for laboratory to be arranged.

159. *Social Psychology* (3) Middleton
The principles underlying man's behavior in relation to others. Monday, Wednesday and Friday at 5:10 P. M.

186. *Comparative and Animal Psychology* (3) Middleton
The evolution of animal behavior from the lowest forms to man. Monday, Wednesday and Friday at 5:10 P. M.

THIRD SECTION

211–212. *Seminar* (3-3) Moss and Staff
The psychology of institutions. First semester, primitive institutions; second semester, modern institutions. Tuesday, 7:30 to 9:30 P. M. *Summer Term 1929*: Daily except Saturday at 7:50 P. M.

251–252. *Test Construction* (3-3) The Staff
The principles underlying the construction and application of psychological, educational and vocational tests. The class will construct and standardize certain tests. Thursday, 7:30 to 9:30 P. M.

PUBLIC SPEAKING

WILLARD HAYES YEAGER, A.M., *Depew Professor of Public Speaking.*
GEORGE LESLIE FARNHAM, A.B., B.D., *Lecturer in Public Speaking.*

Minimum requirements for the major: 24 semester hours.

FIRST SECTION

1. *Principles of Effective Speaking* (3) Yeager, Farnham
Speech composition; delivery; how to hold the attention and interest of the audience. Short informative, persuasive and entertaining speeches on selected topics. Hours to be announced.

4. *Business and Professional Speaking* (3) Yeager
Preparation and oral presentation of the principal types of business speeches; as, oral reports, sales talks, inspirational talks, discussions of policy, personal conferences. Hours to be announced.

6. *Argumentation and Debate* (3) Yeager, Farnham
Construction of arguments; adaptation to audiences; refutation; logical theory; debate strategy; study of great debates; practice debates and discussions on public and legal subjects. Hours to be announced.

8. *Oral Interpretation of Literature* (3) ———
Study and class presentation of readings drawn from various sources; analysis of literature to determine its suitability for oral presentation. Hours to be announced.

SECOND SECTION

103–104. *Masters of Public Address* (3-3) Yeager
The style and methods of great orators, from ancient Greece to modern times. Hours to be announced.

107. *Persuasion and Forms of Public Address* (3) Yeager, Farnham
Persuasive technics; inaugural, dedicatory, political and academic addresses. Hours to be announced.

122. *Advanced Debating* (3) Yeager, ———
Logical theory and its application; debate strategy; a study of great debates; practice discussions on political and legal subjects. Hours to be announced.

151. *Dramatization* (3) _____
The drama, theatre and dramatic production. Hours to be announced.

158. *Play Production* (3) _____
Hours to be announced.

THIRD SECTION

201. *Teaching of Public Speaking* (3) Yeager
Organization of high school and college courses; methods; debate and contest coaching; standards of criticism. Hours to be announced.

ROMANCE LANGUAGES

George Neely Henning, A.M., Litt.D., *Professor of Romance Languages.*
Henry Grattan Doyle, A.M., *Professor of Romance Languages.*
Cecil Knight Jones, B.Litt., *Lecturer in Spanish American Literature.*
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages, Executive Officer.*
Ralph Baxter Foster, A.M., *Assistant Professor of Romance Languages.*
Alan Thomas Deibert, A.M., *Assistant Professor of Romance Languages.*
James Christopher Corliss, A.B., *Assistant Professor of Spanish.*
Irene Cornwell, Ph.D., *Assistant Professor of Romance Languages.*
Edward Cullom, A.M., *Associate in French.*
Charles Frederick Kramer, Jr., A.M., *Associate in French.*
Angel Cabrillo y Vazquez, A.M., *Associate in Spanish.*
Andre-Marie-Georges Beneteau, A.M., *Associate in French.*

Minimum requirements for the major: French: 24 units from 2nd or 3rd section courses, except 107–108. *Spanish:* 24 units from 2nd or 3rd section courses, except 107–108. *Romance Languages:* 12 units from 2nd or 3rd section courses except 107–108, in any one of the above and 12 units from 2nd or 3rd section courses in either or both of the other two Romance languages.

Note. Examinations in French and Spanish as provided on page 91, Section 6, will be both oral and written. Candidates for these examinations should consult the executive officer.

FRENCH

FIRST SECTION

†1–2. *Beginning French* (3–3) Deibert and Staff
Grammar, translation, pronunciation.
Section A, Monday, Wednesday and Friday at 9:10 A. M., Deibert.
Section B, Tuesday, Thursday and Saturday at 9:10 A. M., Cornwell.
Section C, Monday, Wednesday and Friday at 5:10 P. M., Foster.
Section D, Monday, Wednesday and Friday at 6:10 P. M., Foster.
Section E, Tuesday, Thursday and Saturday at 5:10 P. M., Cullom.
Section F, Tuesday, Thursday and Saturday at 6:10 P. M., Kramer.

Summer Term 1929: Course 1-2, daily except Saturday, 5:10 to 6:50 P. M.

†5–6. *Intermediate French* (3–3) Cornwell and Staff
Reading of modern French, detailed grammar review, oral practice. Prerequisite: French 1–2 or two years high school French.

Section A, Monday, Wednesday and Friday at 10:10 A. M., Foster.

Section B, Monday, Wednesday and Friday at 11:10 A. M., Deibert.

Section C, Tuesday, Thursday and Saturday at 10:10 A. M., Foster.

Section D, Tuesday, Thursday and Saturday at 5:10 P. M., Kramer.

Section E, Monday, Wednesday and Friday at 5:10 P. M., Cornwell.

Section F, Tuesday, Thursday and Saturday at 6: 10 P. M., Cullom.

Section G, Tuesday, Thursday and Saturday at 11:10 A. M., Cornwell.

Section H, Monday, Wednesday and Friday at 6:10 P. M., Cornwell.

Summer Term 1929: Daily except Saturday, 5:10 to 6:50 P. M.

*†7–8. *Elementary Conversation* (3–3) Beneteau
Composition and conversation. Prerequisite: French 1–2 or two years high school French. Tuesday, Thursday and Saturday at 5:10 P. M.

SECOND SECTION

*†107–108. *Advanced Conversation* (3–3) Beneteau
Composition, conversation, study of style. Prerequisite: French 7–8. Tuesday, Thursday and Saturday at 6:10 P. M.

†115–116. *Survey of French Literature* (3-3)
Cornwell, Henning, Protzman
A general view of literature and literary background from the seventeenth to the nineteenth centuries inclusive. Lectures, translation, collateral reading, themes, conferences. Prerequisite: French 5–6. *Section A*, Monday, Wednesday and

* Note: Neither courses 7–8 nor 107–108 may be used to complete curriculum requirements of two years of modern languages nor may they be counted towards the twenty-four hours major requirements.

Friday at 11:10 A. M., Cornwell. Note:—Section A will be conducted in French, insofar as practicable. *Section B*, Monday, Wednesday and Friday at 3:10 P. M., Henning. *Section C*, Tuesday, Thursday and Saturday at 6:10 P. M., Protzman.

†119–120. *Literature of the Sixteenth Century* (3–3) Protzman
Origins of French Classicism. Prerequisite: French 115–116. (Given in 1929-30 and alternate years thereafter.) Tuesday, Thursday and Saturday at 5:10 P. M. Note: Attention is called to History 145.

†121–122. *Literature of the Seventeenth Century* (3–3) Henning
History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Translation, collateral reading and reports thereon, lectures on history and literature. Prerequisite: French 115–116. (Given in 1929-30 and alternate years thereafter.) Monday, Wednesday and Friday at 5:10 P. M.

†123–124. *Literature of the Eighteenth Century* (3–3) Deibert
History, philosophy, letters, drama, fiction, poetry. Lectures, translation, collateral reading and themes. Prerequisite: French 115–116. Monday, Wednesday and Friday at 4:10 P. M. (Given in 1928-29 and alternate years thereafter.)

†125–126. *Literature from 1750 to 1850; the Romantic Movement* (3–3) Henning
History, criticism, travels, fiction, drama, lyric poetry. Translation, collateral reading and reports thereon, lectures on literature and history. Prerequisite: French 115–116. Monday, Wednesday and Friday at 5:10 P. M. (Given in 1928-29 and alternate years thereafter.)

†127–128. *Literature from 1850 to the Present* (3–3) Henning
History, philosophy, criticism, fiction, drama, lyric poetry. Prequisite: French 115–116. Monday, Wednesday and Friday at 11:10 A. M. (Given in 1929-30 and alternate years thereafter.)

†139–140. *Modern Fiction* (3–3) Henning
The French novel and short story, from the beginning of the nineteenth century to the present. Translation, collateral reading, lectures. Prerequisite: French 115–116. Monday, Wednesday and Friday at 11:10 A. M. (Given in 1928-29 and alternate years thereafter.)

THIRD SECTION

*†249–250. *Seminar in Old French* (3-3) Doyle
Phonology and morphology of Old French. French literature to the end of the thirteenth century. Prerequisite: Elementary knowledge of Latin; any second section course in French literature. Wednesday, 7:30 to 9:30 P. M. (Given in 1929-30 and alternate years thereafter.)

*†251–252. *Seminar in Middle French* (3-3) Doyle
French language and literature of the fourteenth and fifteenth centuries. Prerequisite: French 249–250. (Given in 1930-31 and alternate years thereafter.)

SPANISH

FIRST SECTION

†1–2. *Beginning Spanish* (3–3) Foster and Staff
Grammar, translation, pronunciation.

Section A, Monday, Wednesday and Friday at 9:10 A. M., Protzman.

Section B, Monday, Wednesday and Friday at 11:10 A. M., Foster.

Section C, Tuesday, Thursday and Saturday at 11:10 A. M., Protzman.

Section D, Monday, Wednesday and Friday at 5:10 P. M., Deibert.

Section E, Monday, Wednesday and Friday at 6:10 P. M., Deibert.

Section F, Tuesday, Thursday and Saturday at 6:10 P. M., Corliss.

Summer Term 1929: Course 1-2, daily except Saturday, 5:10 to 6:50 P. M.

†5–6. *Intermediate Spanish* (3–3) Corliss and Staff
Grammar review, composition, translation of modern prose and poetry, collateral reading. Prerequisite: Spanish 1–2 or two years high school Spanish.

Section A, Monday, Wednesday and Friday at 10:10 A. M., Protzman.

Section B, Monday, Wednesday and Friday at 11:10 A. M., Doyle.

* Note: Attention is called to German 221 and 222.

Section C, Tuesday, Thursday and Saturday at 10:10 A. M., Deibert.
Section D, Monday, Wednesday and Friday at 5:10 P. M., Corliss.
Section E, Monday, Wednesday and Friday at 6:10 P. M., Corliss.
Section F, Tuesday, Thursday and Saturday at 5:10 P. M., Corliss.
Summer Term 1929: Daily except Saturday, 5:10 to 6:50 P. M.

*†7–8. *Elementary Conversation* (3–3) Cabrillo y Vazquez
Composition and conversation. Prerequisite: Spanish 1–2 or two years high school Spanish. Monday, Wednesday and Friday at 5:10 P. M.

SECOND SECTION

*†107–108. *Advanced Conversation* (3–3) Cabrillo y Vazquez
Composition, conversation, study of style. Prerequisite: Spanish 7-8. Monday, Wednesday and Friday at 6:10 P. M.

†115–116. *Survey of Spanish Literature* (3-3) Jones, Corliss
A general study of literature from the seventeenth century to the present. Lectures, translation, outside reading and reports. Prerequisite: Spanish 5–6 or four years high school Spanish. *Section A*, Monday, Wednesday and Friday at 11:10 A. M., Corliss. *Section B*, Tuesday, Thursday and Saturday at 5:10 P. M., Jones.

†121–122. *Spanish Literature of the Golden Age* (3-3) Doyle
Cervantes, Lope de Vega, Calderon. The classic Spanish drama. Origins and rise of the novel. The ballad. Lyric poetry. Prerequisite: Spanish 115-116. Monday, Wednesday and Friday at 5:10 P. M. (Given in 1929-30 and alternate years thereafter.)

†125–126. *Spanish Literature from the Eighteenth Century to the Present* (3–3) Doyle
Development of modern drama, novel, and poetry. Contemporary writers. Prerequisite: Spanish 115–116. Monday, Wednesday and Friday at 5:10 P. M. (Given in 1928-29 and alternate years thereafter.)

* Note: Neither Course 7–8 nor 107–108 may be used to complete the curriculum requirements of two years of modern languages nor may they be counted towards the twenty-four hours major requirements.

†127–128. *Spanish-American Literature* (3–3) Jones
Study of the leading critics, essayists, historians, novelists, poets and dramatists of Spanish America. Prerequisite: Spanish 115–116. Tuesday, Thursday and Saturday at 6:10 P. M. (Given in 1929-30 and alternate years thereafter.)

THIRD SECTION

*†249–250. *Seminar in Old Spanish* (3-3) Doyle
Phonology, morphology, literature. Prerequisite: Elementary knowledge of Latin; any second-section course in Spanish literature. (Given in 1928-29 and alternate years thereafter.)

SOCIOLOGY

ROBERT RUSS KERN, A.B., *Professor of Sociology, Executive Officer.*
ROLVIX HARLAN, PH.D., *Visiting Professor of Sociology.*
DUDLEY WILSON WILLARD, PH.D., *Associate Professor of Sociology.*
ELWOOD STREET, A.M., *Lecturer in Sociology.*

Minimum requirements for the major: Sociology 27-28, 135-136, 171-172, 191-192, 251-252, or 261-262; Anthropology 121-122.

FIRST SECTION

22. *Principles of Sociology* (3) Harlan
The social order; social contacts; social interaction; social forces; social control; collective behavior; social progress. *Summer Term 1929*: Daily except Saturday at 5:10 P. M.

†27–28. *Introduction to Sociology* (3-3) Willard
The first semester will be devoted to analyses of the concepts of social science, to processes of social interaction, and to a study of the various factors influencing social constitution, physical, biological and cultural. The aim will be general familiarity with the scope and contents of sociology. The second semester will be devoted to culture history, social change and development, and problems of control. Not open to freshmen except by permission.

SECOND SECTION

111–112. *Educational Sociology* (3-3) Willard
The first semester will be devoted to a survey of the teachings of sociologists about education. The second semester will be devoted to an analysis of sociological factors in education—factors related to the aims and objectives of education, teaching personnel, pupil population, curricula, discipline and the life of the school, and community relations. Prerequisite: Course 27-28.

†135–136. *Experimental Sociology* (3-3) Kern
Social behavior, customs, and social judgments upon such behavior. The student is expected to join the class in making careful observations of social conduct and in making a series of experiments adapted to the development of a better understanding and improved technics for the control of social conduct. Monday, Wednesday and Friday at 6:10 P. M.

147. *Urban Sociology* (3) Kern
Historical growth of cities. Location of cities; causes of growth of cities. Influence of the city upon the cultural life of the city population.

148. *City Planning* (3) Kern
Garden city and metropolitan city planning. Principles of zoning. Facilities for recreation, health, beauty. Housing, the street system, transportation, the distribution system.

150. *Culture and Social Progress* (2) Harlan
Summer Term 1929: Daily except Saturday at 8:40 A. M.

159–160. *Social Psychology*
See Psychology 159–160.

164. *Social Adjustments* (3) Harlan
Social problems and agencies which have been created to adjust them. *Summer Term 1929*: Daily except Saturday at 7:40 A. M.

165. *Administration of Social Work* (2) Street
Includes lectures, reading, discussion, and observation and report on procedure of Washington social agencies; in respect to legal organization of social agencies, committee management, make-up of Board of Directors, employment principles, personnel practice, office arrangement and equipment, personal and office efficiency, publicity, finance, agency relationships and community contacts. Tuesday, 7:10 to 9:00 P. M.

166. *History of Social Work* (2) Street
Development of charity and social work from earliest recorded times; including the charity of ancient Greece, Rome, early Christian charity and the development of theory and practice of social work down to the present time in the United States and other countries; with especial reference to the influence of other countries upon the development in this country. The history of the charities of Washington will be used to illustrate the kind of progress in charitable development which has been made in practically all American cities. Instruction will be by lecture, assigned readings, conferences with persons familiar with the history of Washington charities, written reports and discussions. Tuesday, 7:10 to 9:00 P. M.

171–172. *Population and Related Social Problems* (3-3) Willard
A review of the biological theories of society; vital statistics and population trends; resources for the support of population; selective factors in the evolution of biological types; modes and problems of control; and associated problems of family, race migration, living standards, etc., affecting population. (Not given in 1929-30.)

†191–192. *Contemporary Culture and Cultural Change* (2-2) Willard
An advanced course devoted to the laws of cultural change, a survey of cultural development in outstanding civilizations of the world, and the detailed analysis of contemporary culture patterns. The course will be conducted as a seminar for specially selected students. Prerequisite: Course 27-28. Hours to be arranged.

THIRD SECTION

211–212. *The Literature of Sociology* (2-2) Willard
A journal club devoted to reviews of periodical and other current literature in the field. A fee of $3.00 per year will be required of those enrolling to cover special subscriptions to the literature. Hours to be arranged.

251–252. *Seminar in Sociology* (3-3) Kern
Hours to be arranged.

†261–262. *Seminar in Regional Sociology* (3-3) Willard
A seminar devoted to a study of the life of the city of Washington. The exact content and scope of the course will depend partially upon the interests and qualifications of students electing. The development of field projects will be expected of all students. Hours to be arranged.

SURGERY

Daniel Kerfoot Shute, A.M., M.D., *Professor Emeritus.*
William Kennedy Butler, A.M., M.D., *Professor Emeritus.*
Charles Williamson Richardson, Sc.D., M.D., *Professor Emeritus.*

Francis Randall Hagner, M.D., *Professor of Urology.*
William Cline Borden, M.D., *Professor of Surgery, Executive Officer.*
Custis Lee Hall, M.D., *Professor of Orthopedic Surgery.*
Arthur Carlisle Christie, M.D., M.S., *Professor of Roentgenology.*
William Thornwall Davis, M.D., *Professor of Ophthalmology.*
Harry Hyland Kerr, M.D., C.M., *Professor of Neurological Surgery.*
Charles Stanley White, M.D., *Professor of Surgery.*
Daniel LeRay Borden, A.M., M.D., *Professor of Surgery.*
Earle Griffith Breeding, M.S., M.D., *Professor of Oto-Laryngology.*
Cline N. Chipman, M.D., *Professor of Anaesthesia.*
Thomas Allen Groover, M.D., Sc.D., *Associate Professor of Roentgenology.*
William Berry Marbury, M.D., *Associate Professor of Surgery.*
Aurelius Rives Shands, M.D., *Clinical Professor of Orthopedic Surgery.*
James Fernandez Mitchell, A.B., M.D., *Clinical Professor of Surgery.*
Carl Henning, M.D., *Clinical Professor of Opthalmology.*
Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*
Charles Wilbur Hyde, M.D., *Clinical Professor of Anaesthesia.*
Henry Walper Kearney, M.D., *Clinical Professor of Anaesthesia.*
Joseph Borrows Bogan, M.D., *Clinical Professor of Anaesthesia.*
Edwin Atkins Merritt, M.D., *Associate in Roentgenology.*
Ralph Stevens Pendexter, LL.B., M.D., *Associate in Ophthalmology.*
John Hugh Lyons, M.D., M.S., *Associate in Surgery.*
Francis George Speidel, M.D., *Associate in Anaesthesia.*
Guy Whitman Leadbetter, A.B., M.D., *Associate in Surgery.*
Otto Nellis Warner, M.D., *Associate in Anaesthesia.*
Frederick August Reuter, M.D., *Clinical Associate in Urology.*
Albert Perkins Tibbets, A.B., M.D., *Clinical Associate in Oto-Laryngology.*
Herbert Hermann Schoenfeld, M.D., *Clinical Associate in Surgery.*
Paul Sterling Putzki, M.D., *Clinical Associate in Surgery.*
William H. Jenkins, M.D., *Clinical Associate in Oto-Laryngology.*
Edmund Horgan, M.D., F.A.C.S., *Clinical Associate in Surgery.*
Lyle Millan Mason, M.D., *Clinical Instructor in Urology.*
Arch Lockhart Riddick, B.S., M.D., *Clinical Instructor in Surgery.*
William Hite Hough, Phar.D., M.D., *Lecturer on Syphilology.*
Jesse Thomas Mann, M.D., *Instructor in Anaesthesia.*
Jeter Carroll Bradley, M.D., *Instructor in Anaesthesia.*
Joseph Kreiselman, M.D., *Instructor in Anaesthesia.*
Eugene Lyman LeMerle, D.D.S., M.D., *Instructor in Anaesthesia.*

Boyce Richardson Bolton, M.D., *Clinical Instructor in Oto-Laryngology.*
Richard Laurens DeSaussure, M.D., *Clinical Instructor in Oto-Laryngology.*
James McNelledge Fadeley, M.D., *Clinical Instructor in Urology.*
Myer Jerome Herschman, M.D., *Clinical Instructor in Urology.*
William Dennis Goodman, M.D., *Clinical Instructor in Urology.*
Benjamin Newhouse, M.D., *Clinical Instructor in Urology.*
Sewall Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*
Charles Otterbein Knott, M.D., *Clinical Instructor in Urology.*
Frederick Oscar Coe, B.S., M.D., *Clinical Instructor in Roentgenology.*
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Richmond Anthony Carrington Brooks, B.S., M.D., *Clinical Instructor in Oto-Laryngology.*
James Houston Hawfield, M.D., *Clinical Instructor in Surgery.*
Edward Jacob Grass, A.B., M.D., *Clinical Instructor in Surgery.*
David Davis, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
Alfred Rives Shands, Jr., A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*
Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*
William Marshall Bland, M.D., *Clinical Instructor in Oto-Laryngology.*
Ralph John Haws, M.D., *Clinical Instructor in Surgery.*
John Ogle Warfield, Jr., A.M., M.D., *Clinical Instructor in Surgery.*
Don Sweet Knowlton, B.S., M.D., *Clinical Instructor in Oto-Laryngology.*
Edward Richard Gookin, M.D., *Clinical Instructor in Ophthalmology.*
William Warren Sager, A.B., M.D., *Clinical Instructor in Surgery.*
Miles Parker Omohundro, M.D., *Clinical Instructor in Urology.*
Daniel Bruce Moffett, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
Alan Jeffries Chenery, M.D., *Clinical Instructor in Urology.*
William Thompson Burch, M.D., *Clinical Instructor in Ophthalmology.*
Joel Adams Tilton, M.D., *Clinical Instructor in Orthopedics.*
Thomas Carlton Thompson, B.S., M.D., *Clinical Instructor in Urology.*
Samuel Arthur Machlis, M.D., *Clinical Instructor in Ophthalmology.*
Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*
James Alexander Smart, M.D., *Clinical Instructor in Oto-Laryngology.*
Charles Louis Billard, M.D., *Clinical Instructor in Ophthalmology.*
George Victor Simpson, M.D., *Clinical Instructor in Ophthalmology.*
Joseph Ernest Mitchell, M.D., *Clinical Instructor in Urology.*
LeRoy Lee Sawyer, Jr., A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
William Glenn Young, M.D., F.A.C.S., *Clinical Instructor in Urology.*
Xavior Charles Suraci, M.D., *Clinical Instructor in Anaesthesia.*
Edward Emanuel Kaplan, M.D., *Clinical Instructor in Roentgenology.*
Frank Marks McChesney, M.D., *Clinical Instructor in Anaesthesia.*
Edward Bailey Macon, M.D., *Clinical Instructor in Anaesthesia.*
Edward Morse Pickford, M.D., *Clinical Instructor in Surgery.*

HOWARD LEE SMITH, M.D., *Clinical Instructor in Surgery.*
DON JOHNSON, M.D., *Clinical Instructor in Oto-Laryngology.*

Total number of hours required in Surgery for the M.D. degree—550.

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153. *Minor Surgery* (22-22) Marbury, Riddick, Lyons, Grayson, Herzmark and Staff

This course covers the principles of surgery, of antisepsis and asepsis, the use of surgical instruments, appliances, sutures, bandages and dressings and the technique of minor surgical procedures. 2 hours per week in the second and third trimesters of the third year.

201–202. *Surgical Clinics* (286-0) Surgical Clinical Staff

Dispensary, amphitheater and bedside instruction in the practice and principles of surgery. Group instruction is given in general surgery, anaesthesia, neuro-surgery, ophthalmology, orthopedics, roentgenology and urology. Daily throughout the third and fourth years.

221–222. *General Surgery* (150-44) W. C. Borden, C. S. White, D. L. Borden, Mitchell, Riddick, Lyons

Instruction is given by lectures, demonstrations, clinical clerkships, assignment to surgical cases, ward clinics and bedside instruction. 2 hours per week throughout the third and fourth years.

233–235. *Roentgenology* (21-21) Christie, Groover, Merritt

The course consists in lectures and demonstrations, both practical and clinical. Fully equipped Roentgen laboratories are maintained and utilized in the University Hospital and the Garfield Memorial Hospital. 1 hour per week in the second and third trimesters of the fourth year.

253–255–256. *Anaesthesia* (12-12) Chipman, Speidel, Hyde, Kearney, Bogan

Theoretical and practical instruction is given in the use of general and local anaesthetic agents. 1 hour per week in the first semester of the third year and the first and second semesters of the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

259–260. *Urology* (30-30) Hagner, Fuller, Reuter

This course consists of lectures, bedside teaching and section clinics. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

261–262. *Orthopedics* (30-30) Hall, Leadbetter, Shands, Morse
The course includes the etiology, pathology, symptomology and treatment of congenital and acquired diseases of the bones and joints, the clinical instruction in the treatment and application of appliances for the correction of deformities. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

265. *Ophthalmology* (16-16) Davis, Henning, Pendexter, Speidel
Lectures are given on the principles of the subject, and giving that information which every general practitioner should have. This is supplemented by clinical instruction in the University Hospital and the Episcopal Eye, Ear and Throat Hospital. 1 hour per week in the first 16 weeks of the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

267–268. *Oto-Laryngology* (16-16) Breeding, Tibbets, Bolton, DeSaussure, Jarman, Davis
This course comprises lectures and clinical instruction in diseases of the nasal passages, pharynx, larynx and the ear. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

275. *Neuro Surgery* (14-14) Kerr, Schoenfeld
This course consists of lectures and clinical instruction on surgery of the brain and nerves. 1 hour per week for 14 weeks in the second trimester of the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

ZOOLOGY

Paul Bartsch, Ph.D., *Professor of Zoology, Executive Officer.*
Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology.*
Leland A. Brown, Ph.D., *Associate Professor of Zoology.*
Mary Quick Bowman, A.M., *Instructor in Zoology.*
William Thomas McClosky, A.B., *Associate in Zoology.*
Charles Holcomb Popenoe, B.S., *Associate in Zoology.*
Fay Pierce Beij, A.M., *Associate in Zoology.*

Minimum requirements for the major:

Zoology: 24 semester hours, exclusive of the elementary course, in the following groups: Courses 121-122, 127, 135, 138, 133; or 121-122, 127, 145-146, 147; or 121-122, 127, 151, 152, 133-134.

Biological Science: 30 semester hours of Zoology and Botany as specified by the Executive Officers of these Departments.

FIRST SECTION

†1–2. *Elementary Zoology* (3-3) Brown, Bowman, Beij

An introductory course in Zoology intended to give the student an oversight of the animal kingdom, and to acquaint him with biologic laws. It includes field trips, and visits to the National Museum. Material fee $5.00 a semester. Lectures—Monday and Friday at 5:10 P. M. Laboratory—Wednesday; hours to be arranged.

6. *Nature Study* (3) Bartsch, Bowman

A field course covering the range of habitat afforded by our locality, intended to acquaint the students with living animals in their natural surroundings. Problems in ecology. Field trip Saturday at 8:00 A. M. Laboratory—hours to be arranged.

SECOND SECTION

*†121–122. *Invertebrate and Vertebrate Anatomy* (4-4)

Brown, Bowman, McClosky, Beij

Lectures and laboratory in all the invertebrate Phyla of the animal kingdom; comparative anatomic structures, biologic, evolutionary and nomenclatorial laws; comparative vertebrate anatomy, development and physiology, beginning with lower chordates and concluding with a dissection of some mammal. Material fee $5.00 a semester; Microscope rental $7.00. Hours

to be announced. *Summer Term 1929*: (Courses 131-132) Lectures daily except Saturday at 5:10 P. M.; laboratory daily, 6:00 to 9:00 P. M.

127. *Heredity and Eugenics* (2) Brown
A practical study of the elementary laws of heredity, and their application to human inheritance and to problems pertaining to adaptation and evolution. Laboratory fee $5.00. Prerequisite: Courses 121-122. Hours to be announced.

133–134. *Ornithology* (2–2) Bartsch
A course intended to familiarize the student with the birds of eastern North America. One lecture, 1 two hour laboratory period. Lecture, Friday at 6:00 P. M.; laboratory in the National Museum, hours to be arranged.

135. *Histology* (3) Bartsch
This course familiarizes the student with histologic technique. The elementary tissues, the microscopic structure of the various organs and systems. This lays a foundation for an understanding of Physiology. Material fee $5.00; miscroscope rental $5.00. Lectures—Wednesday at 6:10 P. M.; laboratory—hours to be arranged.

138. *Physiology* (3) McClosky
Elementary physiology. Lecture—Wednesday at 6:10 P. M. Laboratory—Monday and Friday; hours to be arranged.

†145–146. *Bacteriology* (3–3) Hunter
General bacteriology; bacteriological technique; preparation of culture media; methods of sterilization and disinfection; a consideration of about ten non-pathogenic and fifty pathogenic bacteria; preparation of vaccines and sera, commonly employed in diagnosis. Moulds, yeast, spoilage of food and contamination of water are also considered. Course fee $60.00; breakage deposit, per annum, $10.00. Hours to be arranged.

147. *Clinical Microscopy and Parasitology* (3) Hunter
Blood counting technique, hemoglobin estimation, and recognition of blood parasites. Study of normal and pathologic urine sediments, sputum, spinal fluid, stomach contents, feces, including animal parasites. Prerequisite: Course 122. Course fee $40.00; breakage deposit $5.00. Hours to be arranged.

148. *Pathology and Pathologic Technic* (3) Hunter
A resume of normal Histology and Embryology, followed by a study of the inflammation, repair, degenerations, the effect of plant and animal parasites of physical and chemical agents,

and the formation of new growths. Laboratory training in preservation, fixation, sectioning, staining, mounting of pathologic tissues, and their microscopic study. Prerequisite: Courses 122 and 135. Course fee $40.00; breakage deposit $5.00. Hours to be arranged.

151–152. *Entomology* (3-3) Popenoe

Lectures: the anatomy and life history and habits of insects representing the various orders and more important families of the class. Second term: a study of such insects as are of importance to agriculture and health; their life history and control. Laboratory: a study of typical forms and practice in identification. Prerequisite: Course 121-122. Microscope rental $5.00 per semester. Lecture—Wednesday at 6:10 P. M. Laboratory—Monday and Friday, 5:10 to 7:00 P. M.

186. *Genetics* (2) Brown

A study of the recent literature in genetics, with particular emphasis on the modern concepts of the physical and physiological basis of heredity. Hours to be announced.

THIRD SECTION

†251–252. *Seminar* Bartsch and Staff

Hours and credits to be arranged.

UNIVERSITY ORGANIZATIONS

UNIVERSITY ORGANIZATIONS

ALUMNI ASSOCIATIONS

THE GENERAL ALUMNI ASSOCIATION

The object of this Association is to unite the graduates in closer sympathy and to promote the general welfare of the University. The following persons are eligible to membership: *to active membership* (a) graduates of any school, college, or department of the University, (b) holders of honorary degrees from the University, (c) members of the Board of Trustees and of the Faculties of the University; *to associate membership*—any person who has regularly matriculated and been in regular attendance for one year and who has left the University in good standing. The Annual Meeting is during Commencement Week.

The office of the Executive Secretary of the Alumni Association is located at 2100 G Street, Washington, D. C. All alumni are urged to keep the Secretary informed of any change of address or occupation, and to supply information in regard to their fellow alumni.

1928–1929

President

Oscar Benwood Hunter, M.D., '12, A.B., '16, A.M., '17, The George Washington University Hospital.

Vice Presidents

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William T. Gill, Jr., M.D., '17, Tudor Hall, Washington, D. C.
Charles Berger Campbell, Phar.D., '91, 1731 Lamont Street, Washington, D. C.
William F. Roeser, B.S. in E.E., '25, United States Bureau of Standards.
Ralph L. Morrison, D.D.S., '19, The Rochambeau, Washington, D. C.
Irene Pistorio, B.S., '04, 2442 20th Street, Washington, D. C.
Emilie Margaret White, A.B., '07, A.M., '10, Central High School, Washington, D. C.
Albert Lewis Harris, B.S. in Arch., '12, 728 17th Street, Washington, D. C.
Daisie I. Huff, A.B., '13, A.M., '25, Business High School, Washington, D. C.
Harold Ellsworth Warner, A.B., '13, A.M., '20, 214 14th Street S.E., Washington, D. C.

Secretary-Treasurer

Rosemary Arnold, A.B., '21, A.M., '23, 24 Second Street N.E., Washington, D.C.

Executive Secretary

Marcelle LeMenager, A.B., '28, The University.

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May Paul Bradshaw, A.B., '09, A.M., '13, 1631 S Street, Washington, D. C.
William Paul Briggs, Ph.G., '27, B.S., '28, 2013 New Hampshire Avenue, Washington, D. C.
Cline N. Chipman, M.D., '07, 1420 Rhode Island Avenue, Washington, D. C.
Lyman Dishman, LL.B., '25, 1707 Massachusetts Avenue, Washington, D. C.
Ella Morgan Austin Enlows (Mrs. Harold Franklin), A.B., '15, M.S., '16, Ph.D., '23, 2753 Brandywine Street, Washington, D. C.
Jessie Fant Evans (Mrs. Joshua), A.B., '13, 3405 Lowell Street, Washington, D. C.
Charles Hart, A.B., '10, Eastern High School, Washington, D. C.
Edward J. Henning, LL.B., '97, LL.M., '97, LL.D., '25, Federal Building, Los Angeles, Calif.
Howard Wilkinson Hodgkins, B.S. in C.E., '13, LL.B., '16, First National Bank Building, Chicago, Ill.
Frank Adelbert Hornaday, B.S., '07, M.D., '10, M.S., '20, The Rochambeau, Washington, D. C.
Lewis Moneyway, A.B., '12, A.M., '22, University Club, Washington, D. C.
Gordon Strong, LL.B., '90, LL.M., '94, The Republic, Chicago, Ill.

THE COLUMBIAN-GEORGE WASHINGTON LAW ASSOCIATION

The Law Association is the alumni organization of graduates of The University Law School.

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Peyton Gordon, LL.M., '91, United States Court House, Washington, D. C.

Vice Presidents

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William L. Symons, LL.M., '96, McLachlen Building, Washington, D. C.
Clarence A. Miller, LL.M., '21, 409 Union Trust Building, Washington, D. C.

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George W. Dalzell, LL.M., '98, Wilkins Building, Washington, D. C.

Secretary

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Olive Geiger, LL.B., '21, Bond Building, Washington, D. C.
Frederick C. Dezendorf, LL.B., '92, 1615 Kenyon Street, Washington, D. C.
H. Clay Espey, LL.M., '24, 1103 Vermont Avenue, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905 by alumni of The School of Medicine. Its purpose is to cultivate closer friendly relations between the alumni and members of the faculty by means of social gatherings; to advance medical science; and to further the interest of the University in general.

1928–1929

President

Cline N. Chipman, M.D., '07, 1420 Rhode Island Avenue, Washington, D. C.

Vice President

Helen Gladys Kain, B.S., '17; M.D., '23, 1720 Connecticut Avenue, Washington, D. C.

Secretary

Henry L. Colvin, M.D., '27, 926 B Street S.W., Washington, D. C.

Treasurer

William Raymond Thomas, M.D., '25, 1417 Newton Street, Washington, D. C.

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Treasurer

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THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF LOS ANGELES

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Secretary

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THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF NEW YORK

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Vice President

Fritz v. Briesen, LL.M., '05, D.C.L., '02, 50 Church Street, New York City.

Secretary

Leonard Day, LL.B., '05, M.P.L., '05, 110 West 40th Street, New York City.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF SAN FRANCISCO

President

F. Howard Seely, B.S., '88, 57 Post Street, San Francisco, California.

Secretary

Orville R. Vaughn, LL.B., '16, Alexander Building, San Francisco, California.

THE GRADUATE ENDOWMENT FUND

The Graduate Endowment Fund was founded by the Classes of 1926 with the object of providing endowment to be used for the development of the University. Membership is limited to seniors and graduates who sign a pledge of $100, payable annually in ten equal installments.

The pledge notes and funds are held in trust by the District National Bank in Washington, D. C. When the principal reaches the sum of $100,000 the Board of Administrators of the Fund may pay to the University such sums as it may vote for erection of buildings, acquisition of sites, maintenance and purchase of equipment. At no time shall money be drawn so as to leave a balance of less than $50,000 on deposit.

On request the Alumni Secretary of the University will furnish pledge blanks to alumni.

BOARD OF ADMINISTRATORS

Elected by the Subscribers

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Henry Howell James, B.S. in C.E., '27, Box 525, Englewood, New Jersey.
Gilbert K. Ludwig, B.S. in M.E., '26, Care of Continental Oil Company, Denver, Colorado.
George W. Spangler, A.B., '27, 1707 Massachusetts Avenue.
Margaret Maize, A.B., '28, 1652 Irving Street.
Lyman Dishman, LL.B., '25, 1707 Massachusetts Avenue.

Ex-officio

Marcelle LeMenager, A.B., '28, Alumni Secretary of the University.

ALLIED ASSOCIATIONS

THE COLUMBIAN WOMEN

The object of this society is the advancement of women by founding scholarships for women students in the various departments of the University, and the promotion of all interests of the University. Any woman who has been registered in the University for one year, or is a member of the faculty or the wife of a member of the faculty or of an administrative official, is eligible to membership.

1928–1929

President

Anna Kelton Wiley (Mrs. Harvey Wiley), B.S., 2345 Ashmead Place, Washington, D. C.

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Ruth Bennett, A.M., 3420 Mt. Pleasant Street, Washington, D. C.

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Corresponding Secretary

Pearl Hensley Collier (Mrs. Charles S. Collier), LL.B., 212 Rosemary Street, Chevy Chase, Maryland.

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Historian

Edna Clark, M.S., 1424 11th Street, Washington, D. C.

THE BOARD OF LADY MANAGERS OF THE HOSPITAL

1928–1929

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Mrs. Charles W. Richardson, Grant Road, Washington, D. C.
Mrs. Frederick W. True, 1869 Mintwood Place, Washington, D. C.

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Recording Secretary

Mrs. William J. Mallory, 1720 Connecticut Avenue, Washington, D. C.

Corresponding Secretary

Mrs. Harold G. Sutton, 105 West Underwood Street, Chevy Chase, Md.

STUDENT ORGANIZATIONS

HONOR SOCIETIES

Pyramid Honor Society. A senior honor society limited to ten men annually who have maintained excellent scholarship and have distinguished themselves in the advancement of student activities.

Sphinx Honor Society. A women's honor society established for the purpose of promoting high scholarship. Membership is limited to seven women students who have a scholarship average twenty per cent above passing.

The Order of the Coif. A national honor society the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." Students are elected each year from the highest ranking ten per cent of the Senior Law Class.

Hour Glass Honor Society. A local honor society for women for the purpose of promoting high scholarship and an interest in student affairs among the women of the University.

Pi Delta Epsilon. Journalistic, for men.

Gamma Eta Zeta. Journalistic, for women.

Sigma Tau. Engineering.

Gate and Key. Interfraternity Society.

Delta Sigma Rho. Debating.

Phi Eta Sigma. A national honor society for freshman men who attain a scholastic average of fifty per cent A or B.

DEPARTMENT CLUBS

American Society of Civil Engineers, American Society of Mechanical Engineers, Architectural Club, Art Promoters League, Biota Club, Chemical Society, El Circulo Espanol, Engineering Society, History Club, Home Economcs Club, International Relations Club, Le Cercle Gallia, Ohio Legal Club, Schoenfeld Deutsche Verein, Tyler Club, Utah Law Club.

RELIGIOUS AND SOCIAL

Avukah, Episcopal Club, Menorah Society, Ministerial Club, Newman Club, Young Men's Christian Association, Young Women's Christian Association.

MUSICAL

Glee Club, Orchestra, Women's Choral Society.

GENERAL

Columbian Debating Society, Dramatic Association, Enosinian Society, Free Lance Club, "G. W." Clubs, Interfraternity Council, Law School Senate, Masonic Club, Modern Poetry Club, Panhellenic Council, Philippinensian, Press Club, Styx, Women's Advisory Council, Women's Athletic Association, Women's Legal Club.

PROFESSIONAL FRATERNITIES

For Men. Phi Delta Phi (Legal), Phi Alpha Delta (Legal), Delta Theta Phi (Legal), Phi Chi (Medical), Alpha Kappa Kappa (Medical), Phi Delta Epsilon (Medical), Phi Lambda Kappa (Medical), Phi Delta Gamma (Forensic), Alpha Chi Sigma (Chemical), Scarab (Architectural), Phi Theta Xi (Engineering).

For Women. Phi Delta Delta (Legal), Kappa Beta Pi (Legal), Chi Sigma Gamma (Chemical), Alpha Epsilon Iota (Medical).

SOCIAL FRATERNITIES

Sigma Chi, Kappa Sigma, Kappa Alpha, Theta Delta Chi, Phi Sigma Kappa, Delta Tau Delta, Sigma Alpha Epsilon, Sigma Phi Epsilon, Sigma Nu, Acacia, Phi Alpha, Wandering Greeks, Theta Upsilon Omega, Gamma Alpha Pi.

SORORITIES

Pi Beta Phi, Chi Omega, Sigma Kappa, Phi Mu, Alpha Delta Pi, Gamma Beta Pi, Kappa Delta, Zeta Tau Alpha, Delta Zeta, Alpha Delta Theta, Phi Delta, Phi Sigma Sigma, Phi Delta Gamma.

STUDENT PUBLICATIONS

The University Hatchet, weekly newspaper; The Cherry Tree, the annual; The Colonial Wig, literary; The Handbook, student manual of University information; The Ghost, humorous magazine.

THE UNIVERSITY RECORD

1928-1929

DEGREES CONFERRED

COLUMBIAN COLLEGE

BACHELOR OF ARTS

June 13, 1928

MEYER ABLEMAN ..... Delaware
HARRY ADLER ..... New York
FRANCES FOYE ANDREWS ..... District of Columbia
JULIUS ARONOFF ..... District of Columbia
VIVIAN DEE BANE ..... District of Columbia
NICHOLAS GEORGE BARBELLA ..... District of Columbia
DOROTHY MARY BAUMGARTEN ..... District of Columbia
DOROTHY JOYCE BEALL ..... District of Columbia
LL.B. 1922, The George Washington University
MARGARET DAVIS BEASLEY ..... District of Columbia
(With Distinction)
LILLIAN POWELL BEECH ..... Maryland
WILLIAM IRVING BIRNBERG ..... New York
VIRGINIA FAIRFAX BLACKISTONE ..... Maryland
ANNE LOUISE BLANTON ..... Texas
ROSE BABETTE BLUMENFELD ..... Virginia
IVAN CRUMM BOOHER ..... Illinois
PAUL IVAN BOWEN ..... Pennsylvania
JOHN C. BOX, JR. ..... Texas
MILTON MCKENDREE BOYER ..... Maryland
ELIZABETH WEST BRANDENBURG ..... Maryland
WARREN LEE BRIGGS ..... Missour
(With Distinction)
RUSSELL MARTIN BROWN ..... New York
LL.B. 1920, Georgetown University
LL.M. 1921, Georgetown University
M.P.L. 1921, Georgetown University
ELLIOTT FRANK BRUMBAUGH ..... District of Columbia
PAULINE M. BRUNER ..... Indiana
EMMA ANTONIA BUECHELE ..... Iowa
PAULINE BABB BURD ..... District of Columbia
(With Distinction)
ELIZABETH VAN HORN DUVALL BURTON ..... Maryland
ORA ETHEL CAGE ..... California
MARION CAMPBELL ..... District of Columbia
CHARLES ARTHUR CARRICO ..... District of Columbia
JULIO CARLOS CASTILLO ..... Porto Rico
OLIVE CHACE ..... Maryland
JANET ELIZABETH CLAUDY ..... District of Columbia
WILLIAM HEMAN CLEMENTS ..... District of Columbia
HARRY BOYD COAKLEY ..... Virginia
ALICE SNOWDEN COCKE ..... Maryland
BRYAN COE ..... District of Columbia
PAUL RICHARD COMPHER ..... Virginia
CORRINE COOPER ..... Virginia
EARL CLINTON CROUTER ..... Wyoming
MARY MATHILDE DAULER ..... Pennsylvania
WILFRED PRESTON DAY ..... District of Columbia
ERNEST HARRY DENGLER ..... District of Columbia
MAXWELL ALVORD DEVOE ..... District of Columbia
MORRIS MARCUS DICK ..... New York
HELEN DIX ..... District of Columbia
IRVING ERSHLER ..... New York
MARY EWIN ..... District of Columbia
LEIDY JAMES FALCK ..... Utah
CLEON KING FIERSTONE ..... Pennsylvania
THOMAS ATKINS FRYDELL ..... District of Columbia
JOSEPH FUDELL ..... New York
VERNIE LESESSNE GADDY ..... South Carolina
ROBERTA BELLE GALLOWAY ..... Maryland
PAUL GARDNER ..... California
JOHN HERMANN GEIGER ..... District of Columbia
MALCOLM ALLING GEORGE ..... Minnesota
FREDERICK JAMES GILSDORF ..... District of Columbia

DORLIS GOTT ..... Missouri
JOYCE GRAHAM ..... Virginia
HOLLAND H. GREEN ..... Indiana
GERTRUDE FRANCES HARCOURT ..... District of Columbia
RALPH PERCIVAL HARRIS ..... New York
SUSAN-ISH HARRISON ..... Virginia
GERTRUDE ELIZABETH HEARE ..... District of Columbia
ANITA AGUSLA HEURICH ..... District of Columbia
JOHN MITCHELL HOYT ..... District of Columbia
ELBERT LOWELL HUBER ..... Nebraska
GILBERT MILLS HUTCHISON ..... District of Columbia
ELIZABETH CECELIA JAMIESON ..... District of Columbia
SUZANNE MARGARET JAMISON ..... Colorado
HELEN CARTY JONES ..... District of Columbia
VIRGINIA COCKERILLE KACHE ..... Virginia
MILTON KLEIN ..... New York
EMILY BROWN KLINE ..... Maryland
(With Distinction)
ALEXANDER KRASNITZ ..... New York
ALVIN WEBSTER KREMER ..... Virginia
ELIZABETH HYDE LAMSON ..... District of Columbia
(With Distinction)
FRANCIS JOHN LANG ..... New York
STEWART DEWARREN LASHLEY ..... Pennsylvania
MARCELLE LEMENAGER ..... District of Columbia
JACOB BEN LIGHTMAN ..... District of Columbia
MARGARET LARCOMBE LOANE ..... District of Columbia
(With Distinction)
CHARLES L. LUEDTKE ..... Minnesota
B.F.S. 1926, Georgetown University
EVELYN MCCLAIN ..... Pennsylvania
MARGUERITE THERESA MCDONOUGH ..... District of Columbia
GIRARD LINDSLEY MCENTEE ..... New Jersey
FLORENCE MARY MCGEE ..... New York
MARTHA LANE MCGEHEE ..... District of Columbia
JAMES LEVEN MCLAIN, JR ..... District of Columbia
MARGARET ELIZABETH MAIZE ..... District of Columbia
MARGARET MANN ..... District of Columbia
EMILY RIVERS MARETT ..... South Carolina
MARY FRANCES MARSHALL ..... Maryland
JAMES LOUIS MARTIN ..... Maryland
RICHARD VINTON MATTINGLY ..... District of Columbia
LL.B. 1919, Georgetown University
LL.M. 1921, Georgetown University
(With Distinction)
GILBERTO G. MEDINA ..... District of Columbia
FLORENCE LYON MERRIAM ..... New York
FOFO MEZITIS ..... Virginia
EARL D. MILLER ..... Maryland
(With Distinction)
JOHN GILBERT MINOR ..... Kentucky
GEORGE EDWARD MONK ..... District of Columbia
(With Distinction)
DEWITT F. MORGAN ..... Mississippi
HIDEOMI MORI ..... Japan
STEVEN DIP-TSUNG MOY ..... California
HUGH EDWIN MURPHY ..... Maryland
JAMES GEORGE NASH ..... New York
MARGARET MARIE NEUMANN ..... District of Columbia
VERNON DATESMAN NORTHROP ..... Pennsylvania
HELEN LOUISE NOYES ..... District of Columbia
WILLIAM RAYMOND OGG ..... District of Columbia
ALBEN E. OLSON ..... Idaho
CATHERINE ANN O'NEILL ..... Maryland
ANNA MARGUERITE PABST ..... District of Columbia
ERIK GEORGE PETERSON ..... Kansas
CAROLINE LOUISE PINCOMBE ..... Massachusetts
WALLER STAPLES POAGE, JR ..... Virginia
ALBERICO POMPA ..... New York
BURNS DOMER PRICE ..... Virginia
ALICE BAUSMAN RANCK ..... District of Columbia
(With Distinction)
JOHN ALTON REED ..... District of Columbia
M.D. 1922, George Washington University

ELIZABETH MCALISTER REYNOLDS ..... California
LILLIAN TRIMBLE RHODES ..... Kentucky
MARJORIE TREES RHODES ..... District of Columbia
ROBERT ERNEST RITCHIE ..... Michigan
HELEN FRANCES ROBB ..... District of Columbia
HYMAN S. ROSENFELD ..... New York
JACOB ROSENTHAL ..... New York
(With Distinction)
HARRIET ROSS ..... District of Columbia
ARCHIBALD LEON RUSSELL ..... District of Columbia
FLORENCE ESTHER SAMMONS ..... District of Columbia
DOROTHY LEE SCARBOROUGH ..... Texas
(With Distinction)
RICHARD PAUL SCHULZE ..... District of Columbia
RAPHAELLA ETHLYN SCHWARZ ..... District of Columbia
(With Distinction)
HERMAN SEGALOWITZ ..... New York
HELEN REBECCA SELVEY ..... West Virginia
LOUISE STROTHER SHEPARD ..... District of Columbia
(With Distinction)
MARCELLUS C. SIMMONS ..... Utah
CHARLES SIMON ..... New York
HELENA MASK SMITH ..... District of Columbia
(With Distinction)
GERARD HALLOCK SNELL ..... District of Columbia
(With Distinction)
ANNE SNURE ..... Maryland
ELIZABETH VIRGINIA SPRINGER ..... District of Columbia
LUBOV MAXIMOVNA STADNICHENKO ..... District of Columbia
ROBERT CAMPBELL STARR ..... District of Columbia
JAMES L. STEPHENSON ..... North Carolina
ELIZABETH WALLER STICKLEY ..... Maryland
MARIE STIRISS ..... New York
(With Distinction)
ALBERTO SAJONIA SUNIO ..... Philippine Islands
MARY ABBEY SWEENEY ..... District of Columbia
FREDERICK THEODORE VOORHEES ..... District of Columbia
JOE DAVIS WALSTROM ..... Missouri
HELEN ISABELLE WALTEN ..... District of Columbia
KENNETH NICOLL WATSON ..... District of Columbia
WANDA WEBB ..... District of Columbia
FREDERIC HOWE WEIGLE ..... Indiana
RUTH L. WELLS ..... Iowa
WINIFRED WHITE ..... District of Columbia
MARY FLORENCE WHITNEY ..... District of Columbia
MARTHA ELIZABETH WILKINS ..... Georgia
WARREN HALL WILLNER ..... District of Columbia
MABEL ELIZABETH WILTBANK ..... North Carolina
VIOLET ELIZABETH WINTER ..... District of Columbia
MARTHA WITHERSPOON WOOD ..... Illinois
ANITA BELLE (HANNA) WOODWORTH ..... Indiana
BEATRICE WORKMAN ..... District of Columbia
HAZEL M. WORMSER ..... Kansas
MARY DUNLAP ZOLL ..... Virginia

October 18, 1928

ABRAHAM BELMAN ..... Connecticut
JONNIE LOU BILLINGSLEY ..... Arkansas
(With Distinction)
ISIDORE BRUSTEIN ..... New York
HELEN LOUISE CUMIN CONNOLLY ..... Massachusetts
HAROLD HOUGHTON COOPER ..... Ohio
JOHN PAUL CULLEN ..... Wisconsin
LAWRENCE ATLEE GAGE ..... District of Columbia
EDWARD GALLAGHER ..... Kansas
ARTHUR PENNOYER HARRISON ..... District of Columbia
AUGUSTUS I. HASSKARL ..... Nebraska
CYRUS VINCENT HOAGLUND ..... Minnesota
GENE LOUISE HOFFMAN ..... District of Columbia
KATHRYN-LEE KEEP ..... Pennsylvania
(With Distinction)
JULIANA THOMPSON KUQUA ..... North Dakota
ALLEN EDWIN LE HEW ..... District of Columbia

FRANCIS PAUL LYNAM ..... Pennsylvania
DUVAL TALMADGE MCCUTCHEN ..... Arkansas
LYNNE ANNA HELEN MECHELKE ..... Wisconsin
ROCCO JOSEPH MONTANI ..... New Jersey
ARNOLD HARRY NEVIASER ..... District of Columbia
GEORGE WILLIAM NEWPORT ..... District of Columbia
GERTRUDE HUNTER NORDSTROM ..... Virginia
JOHN ROBERT REED ..... Maryland
WILLIAM H. SIMONS ..... Connecticut
VIRGINIA STRICKLAND ..... District of Columbia
JOSEPH B. TENNYSON ..... District of Columbia
THOMAS MAXWELL THOMAS ..... Virginia
CLAYTON F. VAN THULLENAR ..... Wisconsin
MYRON EDWARD WILSON ..... Pennsylvania

February 22, 1929

JOSEPH C. ACHSTETTER ..... District of Columbia
EDWARD E. ADAMS, JR. ..... District of Columbia
MARY C. BERGIN ..... District of Columbia
LYDAGENE BLACK ..... Texas
(With High Distinction)
BURT M. BROMLEY ..... Maryland
CAREY W. BROWN ..... North Carolina
MARY V. COLEMAN ..... Virginia
MIRIAM DAVIS ..... California
CHARLES L. DEARING ..... New Mexico
HOWARD R. ELIASON ..... District of Columbia
EDITH GEISEL ..... Pennsylvania
MARY F. GREEN ..... Maryland
JOHN K. HYDE ..... District of Columbia
PAUL P. LIPPMAN ..... New York
THERESA I. LYNCH ..... Virginia
ROWLAND LYON ..... Maryland
EDWARD B. MORRISON ..... Virginia
CARLTON THOMAS ..... Wyoming
C. STANLEY WHITE ..... District of Columbia

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

DOCTOR OF PHILOSOPHY

June 13, 1928

KATHARINE TAIT OMWAKE ..... District of Columbia
A.B. 1924, The George Washington University
A.M. 1925, The George Washington University
Thesis: Objective Measurement in English Literature

February 22, 1929

JAMES A. GAMBLE ..... District of Columbia
B.S. 1909, Connecticut Agricultural College
M.S. 1917, The George Washington University
Thesis: Market Milk: Increasing its Freedom from Disease-Producing Organisms, and Controlling its Prepasteurized Bacteria Count
HOWARD HANNA MARTIN ..... Illinois
B.S. 1922, University of Pennsylvania
1923, M.A. The George Washington University
Thesis: The Ohio River as an Artery of Commerce

MASTER OF ARTS

June 13, 1928

CLYDE STANLEY AITCHISON ..... Maryland
B.S. in M.E. 1919, University of Washington
JAKE BERG ..... District of Columbia
A. B. 1927, The George Washington University
PAUL WILLIAM BOWMAN ..... Pennsylvania
A.B. 1924, University of Pennsylvania

OPAL CALHOUN ..... Ohio
Ph.B. 1922, Denison University
COURSEN BAXTER CONKLIN ..... District of Columbia
M.D. 1907, The George Washington University
B.S. in Med. 1916, The George Washington University
FRANCES THORINGTON CRAWFORD ..... District of Columbia
A.B. 1923, Woman's College of Alabama
FRANCES CUATT ..... New York
A.B. 1926, The George Washington University
AUSTIN ELLERY DEARMAN ..... West Virginia
A.B. 1925, Marshall College
GERTRUDE MARGARET DENDINGER ..... Nebraska
A.B. 1925, The George Washington University
BERNARDO BARNACHEA GAPUZ ..... Philippine Islands
LL.B. 1926, The Georgetown University
A.B. 1927, The George Washington University
ELSIE EUGENIA GREEN ..... District of Columbia
A.B. 1914, The George Washington University
THOMAS ODELL GROVER ..... Utah
A.B. 1926, University of Utah
SUE HELBING ..... Ohio
A.B. 1919, Denison University
ELEANOR HENDERSON ..... District of Columbia
A.B. 1921, The George Washington University
MAY BELL HENRY ..... South Dakota
A.B. 1925, University of South Dakota
ELEANOR MARGARET HOUGH ..... District of Columbia
A.B. 1914, Wellesley College
BESSIE KIBBEY LACY ..... District of Columbia
A.B. 1924, The George Washington University
EDWARD STONESTREET LAMAR ..... Maryland
A.B. 1926, The George Washington University
DOROTHY LATIMER ..... District of Columbia
A.B. 1927, The George Washington University
J. WESLEY LOFTIS ..... Texas
A.B. 1924, Howard Payne College
WILLIAM MOORE LOMAN ..... Maryland
A.B. 1927, The George Washington University
PAULINE YATES LONG ..... District of Columbia
A.B. 1926, The George Washington University
GUY MOONEY ..... Montana
A.B. 1921, State University of Montana
ICGLENNA GANNAWAY MURPHY ..... Maryland
A.B. 1927, The George Washington University
ANNA LOUISA PIEPENBRINK ..... Indiana
A.B. 1926, The George Washington University
MABEL EVA PIERPONT ..... District of Columbia
B.L. 1910, The University of California
MARTHA SPRIGG POOLE ..... District of Columbia
A.B. 1927, The George Washington University
HARVEY VAUGHN ROHRER ..... Kansas
B.A. 1924, University of Washington
ROBERT SKLJAR ..... District of Columbia
A.B. 1927, The George Washington University
MINNIE COMPTON SQUIRE ..... District of Columbia
A.B. 1922, The George Washington University
RALPH STAIR ..... District of Columbia
B.S. 1923, The University of Missouri
KATHARINE EDMONSTON STOKES ..... District of Columbia
A.B. 1925, The George Washington University
ERNEST AUGUSTUS VALADE ..... District of Columbia
B.S. in E.E. 1914, Catholic University
M.E. 1918, Cornell University

October 18, 1928

STUART CUTHBERTSON ..... Illinois
A.B. 1925, University of Illinois
HAROLD SCUDDER HEIER ..... Kentucky
A.B. 1925, Kentucky Wesleyan
SARA ROSAMOND LERCH ..... Pennsylvania
A.B. 1927, The George Washington University
HARRY ARNOLD HULL MCNITT ..... District of Columbia
M.D. 1925, The George Washington University
B.S. 1925, The George Washington University

WILLIAM MIDDLETON ..... Virginia
A.B. 1925, The George Washington University
AILEEN MORROW PAINTER ..... Tennessee
A.B. 1923, Vanderbilt University
WALTER B. SCARBOROUGH ..... Texas
LL.B. 1927, The George Washington University
A.B. 1928, The George Washington University

February 22, 1929

PAUL J. FITZPATRICK ..... District of Columbia
A.B. 1916, Catholic University
RALPH JESSUP ..... District of Columbia
B.S. 1914, Virginia Polytechnic Institute
BERNICE DRAKE LILL ..... Virginia
A.B. 1916, Wellesley College
WINIFRED SHERWOOD ..... District of Columbia
A.B. 1925, The George Washington University
NASIM SOUSA ..... Iraq
B.S. in C.E. 1923, Colorado College
VIVIAN A. SYDENSTRICKER ..... Georgia
A.B. 1924, Presbyterian College of South Carolina
GILES TAGGART ..... British Honduras
A.B. 1924, University of Western Ontario
RAYMOND C. WEBER ..... Pennsylvania
A.B. 1926, The George Washington University

MASTER OF SCIENCE IN CHEMISTRY

June 13, 1928

HARRY BRICE DIXON ..... District of Columbia
B.S. in Ch.E. 1926, The George Washington University
HOMER ALEXANDER HAMM ..... Minnesota
B.S. in Chem. 1925, University of Minnesota
ROGER WEBSTER HARRISON ..... Washington
B.S. in Ch.E. 1925, Washington State College
STUART STONE KINGSBURY ..... Michigan
A.B. 1926, The George Washington University
KAM NGOW LEE ..... China
A.B. 1926, Wabash College
ROBERT STEVENSON MCKINNEY ..... Ohio
B.S. in Ch.E. 1920, University of Cincinnati
HAROLD MUSCHOTT OLSON ..... Maryland
A.B. 1923, Albion College
NORRIS HENRY SANBORN ..... District of Columbia
B.S. in Ch.E. 1922, The George Washington University
EDGAR LEE SHEFFIELD ..... Idaho
A.B. 1921, The George Washington University
LL.B. 1924 The George Washington University
BYRON HORTON WEBB ..... California
B.S. 1925, University of California
JOHN PRICE WETHERILL, III ..... Maryland
B.S. in Chem. 1927, The George Washington University

October 18, 1928

PAUL D. MCNAMEE ..... Ohio
B.S. 1927, Dickinson College

February 22, 1929

Norman E. Yongue ..... South Carolina
B.S. 1924, The Citadel

MASTER OF SCIENCE IN ENGINEERING

February 22, 1929

JOSEPH B. GOLDSMITH ..... District of Columbia
B.S. in C.E. 1927, The George Washington University
HARMON S. MEISSNER ..... Florida
B.S. 1928, University of Utah

THE SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

June 13, 1928

*John C. Alesi ..... New York
William Dunaway Anderson ..... Alabama
B.S. 1926, University of Alabama
Abraham Max Balter ..... Pennsylvania
A.B. 1927, The George Washington University
*Cedric Caesar Carpenter ..... District of Columbia
Elma Bebee Carr ..... Kentucky
A.B. 1920, The George Washington University
A.M. 1921, The George Washington University
Francis Xavier Courtney ..... New York
A.B. 1925, The George Washington University
John David Dana ..... New York
A.B. 1925, Columbia University
Etta Louise DeVore ..... District of Columbia
A.B. 1915, Stanford University
*George Dewey ..... District of Columbia
*Daniel Dennis Dougherty ..... New Jersey
*Depue Hazen Duffey ..... District of Columbia
*Isidore S. Edelstein ..... New York
B.S. 1924, College of the City of New York
*Frederic William Farrar ..... District of Columbia
Harry B. Fermaglich ..... New York
Louis J. Gelber ..... New York
*Emil S. Goodyear ..... New York
A.B. 1924, The George Washington University
*Leon Stuart Gordon ..... District of Columbia
(With Distinction)
*David Oscar Gorlin ..... New York
Morris Lawrence Greenman ..... New York
Clayton Hawfield ..... North Carolina
*Stanton S. Hoechstetter ..... Pennsylvania
B.S. 1925, University of Pittsburgh
*Hugh Oscood House ..... Maryland
A.B. 1924, University of Maryland
Francis L. Hummer ..... South Dakota
B.S. 1926, University of South Dakota
Samuel Alexander Jacobson ..... New York
B.S. 1924, College of the City of New York
John Jampel ..... New York
B.S. 1923, College of the City of New York
*Thomas Joseph Kelly ..... Virginia
*Mark Larsen Lewis ..... Utah
A.B. 1917, Brigham Young University
*Jose A. Lopez y Jubes ..... Porto Rico
*Benjamin Palmer Malerba ..... New York
Leon Joseph Malock ..... Pennsylvania
William Carey Meloy ..... District of Columbia
David Mesnik ..... New York
B.S. 1924, College of the City of New York
*Peter John Milazzo ..... New York
B.S. 1924, College of the City of New York
*Willis Brown Morse ..... District of Columbia
*Raymond Wilkins Murray ..... District of Columbia
A.B. 1925, The George Washington University
(With Distinction)
Brayton Omar Myers ..... District of Columbia
B.S. 1926, West Virginia University
*Edward Wilson Nicklas ..... District of Columbia
Gilbert Ottenberg ..... District of Columbia
A.B. 1922, The George Washington University
A.M. 1924, The George Washington University
*Lester Marshall Petrie ..... District of Columbia
B.S. 1924, Westminster College
Harry William Primakoff ..... North Carolina
A.B. 1923, Duke University
A.M. 1924, Duke University

*Anthony Joseph Profita ..... New Jersey
A.B. 1925, Columbia University
Grace Guile Purse ..... District of Columbia
A.B. 1924, The George Washington University
*Milton Herbert Robbins ..... New York
B.S. 1924, College of the City of New York
Victor Rincon y Nunez ..... Porto Rico
B.S. 1926, West Virginia University
Samuel Lyle Rogers ..... North Carolina
A.B. 1923, The George Washington University
*Thomas Alexander Rossano ..... New York
*Ignatius Rutkoski ..... District of Columbia
A.B. 1927, The George Washington University
*William Albert Ryon ..... District of Columbia
*Mario Victor Scandiffio ..... New York
A.B. 1925, The George Washington University
*Morris Sonberg ..... New York
B.S. 1924, College of the City of New York
*Walter Raymond Stokes ..... District of Columbia
LL.B. 1924, The George Washington University
James Edison Stretch ..... Connecticut
Francis Xavier Subaci ..... District of Columbia
George Joseph Vandenburg ..... Washington
B.S. 1917, University of Washington
Abraham Weitz ..... New Jersey
A.B. 1923, The George Washington University
*Thomas Albert Wildman ..... District of Columbia
*Richard Wallace Wilkinson ..... District of Columbia
A.B. 1925, The George Washington University
*Edwin Eugene Ziegler ..... District of Columbia
A.B. 1927, The George Washington University

* These graduates satisfactorily completed the course for the Reserve Officers' Training Corps, as prescribed by the War Department, and received their commissions as First Lieutenants in the Medical Reserve Corps.

October 18, 1928

Julius Evan Lewis ..... Virginia

THE SCHOOL OF NURSING
DIPLOMA

June 13, 1928

Mildred Elizabeth Driscoll ..... Pennsylvania
Alma Rosaline Funk ..... Virginia
Katherine Ella McCready ..... Maryland
Juanita Reynolds Pullen ..... Virginia
Agnes Cecilia Schmidlen ..... West Virginia
Flora Elizabeth Smith ..... North Carolina
Mary Adela Swecker ..... Virginia
Edna Mae Stackhouse ..... District of Columbia
Valonta Elizabeth Watkins ..... West Virginia

THE LAW SCHOOL
BACHELOR OF LAWS

June 13, 1928

John Quincy Adams ..... New York
Raymond Dean Allison ..... Utah
Frank Armstrong ..... Utah
Herndon Rine Athey ..... West Virginia
Joseph Pennington Bailey ..... District of Columbia
Kern Grant Beasley ..... Indiana
A.B. 1924, Indiana University

LEO BENDER ..... Maryland
A.B. 1924, The George Washington University

LAWRENCE JAMES BLACKMAR ..... New York
A.B. 1913, Syracuse University

RALPH HERMAN BRAUNER ..... Maryland
B.S. in M.E. 1924, The George Washington University

VERNON HARCOURT BREWSTER ..... Illinois
B.S. 1923, Northwestern University

KENNETH HENTHORNE BRUNER ..... Indiana
A.B. 1926, The George Washington University

EDWARD STUART BUSHONG ..... Maryland
A.B. 1924, Davis and Elkins College

JAMES MANDERSON CASTLE, JR. ..... Pennsylvania
B.S. in Chem. 1924, University of Pennsylvania
(With Distinction)

WILLIAM SNYDER CHANDLER ..... District of Columbia

RALPH MILTON CHESLEY ..... Iowa
B.S. 1926, Syracuse University

ADLAI STEVENSON COBLE ..... District of Columbia
M.E. 1915, Cornell University

BEVERLY MOSBY COLEMAN ..... District of Columbia
Graduate, 1922, U. S. Naval Academy

PAUL TRAUGER CULBERTSON ..... Kansas
Ph.B. 1923, Yale University

GALE TAYLOR CUMMINGS ..... Virginia

MEREDITH MAHLON DAUBIN ..... Missouri

PAUL DOUGLAS DINGWELL ..... Rhode Island
Graduate, U. S. Naval Academy

JOHN JOSEPH DOLAN ..... District of Columbia
A.B. 1923, Princeton University

HARRISON FISHER DURAND ..... South Dakota
A.B. 1926, Yankton College
(With Distinction)

LOIS EARSEMAN ..... Pennsylvania
A.B. 1915, Mt. Union College

WILLIAM ROBINSON EPES ..... Maryland
B.S. in M.E. 1915, Virginia Polytechnic Institute

JOHN HENRY ESCH ..... Wisconsin
A.B. 1926, University of Wisconsin

WALTER OGDEN EVANS ..... Kentucky
A.B. 1923, The George Washington University

EDWARD S. W. FARNUM, JR. ..... Pennsylvania

JOSEPH HOWARD FLINT ..... New York
B.S. in Chem. 1920, Cornell University

WENDELL W. FORBES ..... Iowa
A.B. 1922, University of Iowa

HAROLD NEWMAN FREDERICKS ..... Minnesota

ROBERT HENRY N. GEISLER ..... California

CARL GLENN GILLILAND ..... District of Columbia
Graduate, 1912, U. S. Naval Academy

JAMES JOSEPH GRAHAM ..... District of Columbia
Graduate, U. S. Naval Academy

HAROLD NATHAN GRAVES ..... Illinois
A.B. 1908, Knox College

WILLIAM LIPPINCOTT HANAWAY ..... New Jersey
B.S. 1921, Rutgers College

MATTHEW ELTING HANNA, JR. ..... District of Columbia
A.B. 1925, Yale University

HOWARD GALLEMORE HARTZOG ..... Texas
A.B. 1926, Baylor University

NEAL NORTON HERNDON ..... District of Columbia

CHARLES EDWIN HERRSTROM ..... Massachusetts
B.S. 1924, Massachusetts Institute of Technology

CYRUS VINCENT HOAGLUND ..... Minnesota

ETHEL HODGES ..... Kentucky

JOHN HOXIE ..... New York
B.S. 1925, Massachusetts Institute of Technology
(With Distinction)

CHARLES ROBERT HRDLICKA, JR. ..... Nebraska
A.B. 1926, University of Nebraska

FANNIE MAY HUFF ..... Tennessee
A.B. 1911, Carson and Newman College
A.M. 1916, Carson and Newman College

JOSEPH ALEXANDER KAUFMANN ..... Virginia
A.B. 1926, The George Washington University
BOLIVER EDWARDS KEMP, JR. ..... Louisiana
JOHN CLARK KETCHAM, JR. ..... Michigan
A.B. 1927, The George Washington University
HENRY THOMAS KILBURN ..... District of Columbia
B.S. 1916, Columbia University
(With Distinction)
JAMES ROBERT KIRKLAND ..... Delaware
A.B. 1927, The George Washington University
DANIEL MILTON LADD ..... North Dakota
OLLIE LEE LEWIS ..... District of Columbia
A.B. 1917, The George Washington University
Sc.M. 1920, The George Washington University
JACOB BEN LIGHTMAN ..... District of Columbia
GEORGE VARNUM LOVERING ..... Massachusetts
HAROLD EDGAR LUBER ..... District of Columbia
A.B. 1927, The George Washington University
EMERY LONGFELLOW MALLETT ..... Maine
A.B. 1923, Bowdoin College
NATHAN MARMELSTEIN ..... Ohio
B.S. in Ch.E. 1922, Case School of Applied Science
LEWIE GRIFFITH MERRITT ..... District of Columbia
B.S. 1917, The Citadel
HENRY HERBERT MERRY, JR. ..... Maine
A.B. 1922, Bowdoin College
IRA PALMER MILLER ..... Pennsylvania
WADE HAMPTON MITCHELL ..... District of Columbia
MAURICE MILTON MOULE ..... Michigan
A.B. 1924, University of Michigan
WILLARD GRAVES MCGRAW ..... Maryland
RICHARD KERENS MCPHERSON ..... Missouri
A.B. 1926, The George Washington University
WILLIAM ADNEY MCSWAIN ..... South Carolina
B.S. 1925, University of South Carolina
FANNEY NEYMAN ..... Montana
ARTHUR H. NORDSTROM ..... Virginia
JAMES CHARLES PALMER ..... District of Columbia
CLARENCE LEROY PARKER ..... District of Columbia
A.B. 1924, Princeton University
EDMOND WEST PARKINSON ..... Idaho
B.S. 1924, Brigham Young University
CHARLES JEFFERSON PARRISH ..... Maryland
Graduate, 1913, U. S. Naval Academy
ROY ALBERT PORTERFIELD ..... Missouri
B.S. 1911, University of Kansas
M.S. 1913, University of Kansas
C.E. 1916, University of Kansas
MOSES LOGAN RICH ..... Utah
B.S. 1925, Utah Agricultural College
ERNEST RUSSELL ..... Virginia
A.B. 1923, Emory and Henry College
PAUL RUTHEISER ..... New York
CHARLES MCKINLEY SAMMONS ..... California
CHARLES EVERETT SHREVE ..... District of Columbia
ROBERT MCCLELLAN SIMONDS ..... District of Columbia
B.S. 1924, Massachusetts Institute of Technology
GEORGE HAROLD SOUTHER ..... Massachusetts
PAUL PROSSER STOUTENBURGH ..... Ohio
A.B. 1923, Johns Hopkins University
JOHN PRESTON SWECKER ..... Virginia
RUTH CATHERINE TECH ..... Indiana
SEWELL VAN ALSTINE ..... Iowa
A.B. 1926, State University of Iowa
HOMER DEAL WALKER ..... Texas
KARL EDWARD WASMUTH ..... New York
BYRLE ALBERT WHITNEY ..... Iowa
A.B. 1923, State University of Iowa
WILLIAM WARREN WHITSON ..... District of Columbia
ROBERT HILARY WINN ..... Maryland

October 18, 1928

SARAH CATHERINE BRYANT ..... Kentucky
ROBERT BURNS CARTWRIGHT ..... New Mexico
A.B. 1923, University of New Mexico

FELIX COLE ..... District of Columbia
A.B. 1910, Harvard University
DANIEL GEORGE CULLEN ..... District of Columbia
B.S. in M.E. 1924, Tufts College
ROBERT GARDINER DILLAWAY ..... Montana
A.B. 1903, University of Michigan
AUGUSTUS IMMANUEL HASSKARL ..... Nebraska
ELMER CORNELIUS HOLT ..... North Dakota
ALBERT HUBSCHMAN ..... New Jersey
(With Distinction)
HENRY JOHN KLINGE ..... District of Columbia
PAUL FRANKLIN DE BRUYN KOPS ..... North Dakota
WILLARD EDWIN LAROSA ..... Illinois
VINCENT ALEXANDER LUTKIEWITZ ..... District of Columbia
MARSHALL HANCOCK LYNN ..... District of Columbia
B.S. 1922, University of Virginia
ARAM DER MANUELIAN ..... New York
B.S.1920, University of Vermont
MORROW HARRIS MOORE ..... District of Columbia
A.B. 1925, The George Washington University
CLARENCE JAMES NELSON ..... Iowa
CHRISTOPHER A. RAY ..... Rhode Island
THEODORE THOMAS SHIELDS ..... Minnesota
RICHARD SOUTHERNE SHREVE, JR. ..... Virginia
B.S. in M.E. 1924, The George Washington University
WILLIAM HENRY STANTON ..... District of Columbia
A.B. 1925, The George Washington University
JOHN ALBERT TILLEMA ..... District of Columbia
A.B. 1914, Hope College; A.M. 1917, University of Michigan
Ph.D. 1924, Washington University
FRANCIS EVERETT VAN ALSTINE ..... Iowa

February 22, 1929

SAMUEL B. AVIS ..... West Virginia
BERNICE SAUNDERS BOWDEN ..... Virginia
WILLIAM THERON CARRUTH ..... California
SAMUEL P. COWLEY ..... Utah
B.S. 1925, Utah Agricultural College
LEO EDWARD FLAHERTY ..... Indiana
B.S. in E.E. 1924, Rose Polytechnic Institute
EDWIN BERNARD GARY ..... District of Columbia
ALFRED MARTIN GLADSTEIN ..... Oklahoma
LELAND STANFORD HEDGECOCK ..... Tennessee
B.A. 1924, University of Tennessee
CHARLES MCCLEAN JOHNSTON ..... Michigan
A.B. 1924, Wabash College
FRANKLIN JEROME LUNDING ..... North Dakota
DWIGHT LYNN MCCORMACK ..... Illinois
EARL LENOIR PACKER ..... Utah
A.B. 1921, The George Washington University
JOHN LAWRENCE SEYMOUR ..... District of Columbia
B.S. in Chem. Eng. 1923, University of Maine
WILLIAM FREDERIC SONNEKALB, JR. ..... New Jersey
B.S. 1925, Massachusetts Institute of Technology
HARLEY ALVIN WATKINS ..... Ohio
A.B. 1928, Defiance College
HAROLD BRAINERD WILLEY ..... Virginia

MASTER OF LAWS

June 13, 1928

HENRY OSBOURN ALLEN ..... Virginia
LL.B. 1924, The George Washington University
ROBERT D. MURPHY ..... Wisconsin
LL.B. 1920, The George Washington University
ROBERT BRUCE MCKNIGHT ..... Utah
LL.B. 1927, The George Washington University
PETER PAUL PEEBLES ..... Virginia
A.B. 1924, College of William and Mary
A.M. 1925, College of William and Mary
B.S. 1925, College of William and Mary
LL.B. 1924, College of William and Mary

EDWARD LEE POTTER ..... Virginia
A.B. 1910, Washington and Lee University
LL.B. 1927, The George Washington University

RAY VAN COTT, JR. ..... Utah
LL.B. 1927, The George Washington University

February 22, 1929

ERNEST H. OLIVER ..... Utah
LL.B. With Distinction, 1925, The George Washington University

MASTER OF PATENT LAW

June 13, 1928

GEORGE CECIL SPEERS ..... Canada
A.B. 1908, University of Manitoba
A.M. 1913, University of Manitoba
LL.B. 1913, University of Manitoba

THE SCHOOL OF ENGINEERING

BACHELOR OF SCIENCE IN CHEMISTRY

June 13, 1928

THOMES EDWIN HAMILL ..... District of Columbia
SAMUEL REMEY POTTINGER ..... Maryland
SPENCER SCOTT PRENTISS ..... District of Columbia
(With Distinction)

October 18, 1928

LEONARD STROUD CAMPBELL ..... District of Columbia

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

June 13, 1928

GEORGE W. B. CAMPBELL ..... District of Columbia
GEORGE UMBERGER GRAFF ..... District of Columbia
BENJAMIN EDWARD LANHAM ..... Maryland

October 18, 1928

JACOB RANDOLPH NEWMAN ..... District of Columbia

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

June 13, 1928

HENRY AARON ..... New Jersey
ALBERT JOHN FITZPATRICK ..... Wyoming
EDGAR FARRAR GOLDBERGER ..... Maryland
WILLARD SMITH ISHAM, JR. ..... District of Columbia
JOSEPH LEO KELLY ..... West Virginia
JAMES AUGUSTUS KELLEY, JR. ..... District of Columbia
WILLIAM JAMES KERLIN ..... District of Columbia
JOHN CLEVENGER KNEE ..... Virginia
(With Distinction)
WILLIAM ROY LANE ..... Nebraska
HENRY WARREN STEWART, JR. ..... District of Columbia

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

June 13, 1928

STANLEY W. CROSTHWAIT ..... Maryland
MERVYN WILLIAM DIX ..... District of Columbia
MELVIN HILLARD FRIEDMAN ..... District of Columbia
ADOLPH CHARLES HUGIN ..... District of Columbia
HARRY JAMES NICHOLS ..... District of Columbia
HAMILTON TALBOTT ..... District of Columbia

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

June 13, 1928

Sherod Leaphart Earle ..... District of Columbia
Harcourt Carl Sontag ..... Virginia
John Mahon Stockard ..... Maryland
(With Distinction)

THE SCHOOL OF EDUCATION

BACHELOR OF ARTS AND BACHELOR'S DIPLOMA IN EDUCATION

June 13, 1928

Georgia Louise Alexander ..... Missouri
(With Distinction)
Eleanor Lindsay Appich ..... District of Columbia
Wert Tennis Bayne ..... Alabama
Mary Magdalene Bigos ..... Pennsylvania
Helen Buchalter ..... District of Columbia
Emma Shumway Byler ..... District of Columbia
Zata Vileita Carroll ..... Pennsylvania
Sadie Caughey ..... Louisiana
Gladys Marion Clarkson ..... District of Columbia
Edward Mayberry Cornell ..... District of Columbia
Ruth Elizabeth Davis ..... District of Columbia
(With Distinction)
Ruth Esther Day ..... Ohio
Mary Helena Donahue ..... District of Columbia
Mae Laurie Gerow ..... Virginia
Mary Ellen Snyder Gibson ..... District of Columbia
(With Distinction)
Agnes Hoge Goodloe ..... District of Columbia
Helen Virginia Harper ..... District of Columbia
Pearl M. Hicks ..... Florida
Josephine Elizabeth Hopkins ..... District of Columbia
Florence Inez Howard ..... Kansas
Marie Louise Jaquette ..... District of Columbia
Virginia Margaret Jones ..... District of Columbia
Dorothy Jean Kemball ..... District of Columbia
Marie Elsie Kroell ..... District of Columbia
(With Distinction)
Nancy Ellyson Lewis ..... Virginia
Viola Beyer Lusby ..... District of Columbia
Mary Lucia Macina ..... District of Columbia
Caroline Pierce Martin ..... Virginia
Mary Graham Masson ..... District of Columbia
Nina Miller ..... District of Columbia
Laura Morris ..... District of Columbia
Evelyn Naylor ..... District of Columbia
Mary Louise Omwake ..... District of Columbia
Hilda Wright Richmond ..... District of Columbia
Katherine Faber Scrivener ..... District of Columbia
Jeannette Speiden ..... Maryland
(With Distinction)
Mildred Frances Thissell ..... Massachusetts
Mary Beach Warren ..... Florida
Wilma Louise Watkins ..... Maryland
Lulu May Wedgeworth ..... Maryland
Estelle Parthenia Wild ..... District of Columbia
Unis Woodward ..... District of Columbia

BACHELOR OF ARTS IN EDUCATION

October 18, 1928

Violet Kathryn Austin ..... District of Columbia
Eleanor Faust ..... District of Columbia
Eulalie Lacaze ..... Texas
Margaret Helen Richwine ..... Virginia

FELIX CONRAD SCHWARZ ..... District of Columbia
CALLIE S. WALDRAN ..... District of Columbia
GRACE PICKERING WARE ..... District of Columbia

February 22, 1929

DOROTHY B. CHURCHWELL ..... District of Columbia
(With Distinction)
LYLA M. COATES ..... Maryland
EDGAR G. JEWELL ..... District of Columbia
RETTA E. WALSMITH ..... District of Columbia

MASTER OF ARTS IN EDUCATION

October 18, 1928

SAMUEL B. CRAIG ..... Kentucky
A.B. 1923, Centre College
M.A. 1925, Gallaudet College
VIOLET OFFUTT ..... Maryland
A.B. 1920, The George Washington University

THE SCHOOL OF PHARMACY

GRADUATE IN PHARMACY

June 13, 1928

MARION SMITH ALLEY ..... Missouri
LOUIS FRANCIS BRADLEY, JR. ..... District of Columbia
GEORGE REX CARTER ..... District of Columbia
CHARLES FLOYD DYER ..... Virginia
MYERS DAVID GOLDMAN ..... Maryland
HAROLD CLAYTON KINNER ..... District of Columbia
BERNARD ALTON PETTIT ..... New York
PAUL LESLIE VOORHEES ..... New York

BACHELOR OF SCIENCE IN PHARMACY

June 13, 1928

WILLIAM PAUL BRIGGS ..... District of Columbia
Ph.G. 1927, The George Washington University

HONORARY DEGREES

June 13, 1928

DOCTOR OF LAWS

ROSCOE POUND

February 22, 1929

DOCTOR OF LAWS

CALVIN COOLIDGE
GRACE COOLIDGE

STUDENT ASSISTANTS

1928–1929

Botany: Eugenia Agnes Cuvillier, Kenneth Lancaster Hobbs, Helen Wadsworth Humphrey, Estella Isabel Humphrey, Frances Margaret Milburn, Henry Lincoln Peckham.

Chemistry: John Beck, Jr., John Oliver Burton, William David Chase, William Ellsworth Evans, Nancy Griswold, Virginia Hefty, Elizabeth Margaretha Hewston, George H. Kennedy, Henry Lincoln Peckham, William Otho Pool, Norris Henry Sanborn, Judith LeRoy Steele, William Walton.

Economics: Thomas Elton Billings, Richard F. Johnson.

English: Constance Rosamond Aud, Mary Lewis Beard, Myrtle Campbell, Eilleen Adella Gardner, Alice Archer Graham, Elsie Snelling Hendricks, Cyrus Vincent Hoaglund, Pauline Yates Long, Ruth Densmore McNally, Ernestine Helena Niemeyer, Grace Purse, E. Kenneth Stabler, May Wedgworth.

Geology: Wilfred Alvin Betikofer.

History: Ruth Greenwood, Edward Harold Hunnicut, Irvin R. McClelland, Martha Sprigg Poole.

Home Economics: Ruth Deffinbaugh.

Pharmacy: Frederick Mahlon Everly.

Physics: Raymond Frederick Hossfeld, John Firth Marquis, Charles M. Morris, Grace Victoria Young.

Physical Education for Women: Maxine Rogene Alverson, Julia Lee Denning, Jenny Emsley Turnbull.

Political Science: Charles Frank Barwick, James Louis Martin, Howard S. Payne.

PRIZE AWARDS

1928

Alpha Delta Pi Prize in French—Helen Louise Cumin Connolly.

Alpha Delta Theta Prize in Chemistry—Margaret Wheeler.

Chi Omega Prize in Social Sciences—Pauline Babp Burd.

Colonial Dames Prize in American History—Emily Brown Kline.

E. K. Cutter Prize in English—Elizabeth Wiltbank.

Daughters of the American Revolution Prize in American History—Burt M. Bromley.

Delta Tau Delta Student Activities Medal—Robert Campbell Starr.

Delta Zeta Prize in Botany—Henry Lincoln Peckham.

Dietzgen Prize in Architecture—John Louis Rochon Grand.

Dietzgen Prizes in Machine Drawing—Milton Hyman DeBruin, Russell Ellsworth Banker.

Ellsworth Prize in Patent Law—Ralph H. Hudson.

Gamma Beta Pi Prize in Botany—Roberta Dennis Wright.

Goddard Medal in Commerce—Vernon Datesman Northrop.

Goddard Medal in French—Louise DuBose.

Goddard Medal in Pharmacy—Louis Francis Bradley, Jr.

Arthur B. Heaton Prizes in Architectural Design—
First: John Louis Rochon Grand.
Second: Robert Barnes.

Samuel Herrick Prize in Law—James Manderson Castle, Jr.

Gardiner G. Hubbard Prize in American History—Archibald L. Russell.

John B. Larner Gold Medal in Law—Henry Thomas Kilburn.

Livingston Prize in Machine Design—Sherod Leaphart Earle.

Genevieve Chatterton McCutchins Prizes in Archaeology—
First: Delia Bogue.
Second: Louise Strother Shepard.

Muth Prizes in Freshman Mechanical Drawing—William O. Lewis, David Ringle.

Ordronaux Prize in Medicine—Raymond Wilkins Murray.
Honorable Mention: Leon Stuart Gordon.

Pi Beta Phi Student Activities Prize—Margaret Maize.

Sigma Kappa Prize in Chemistry—Eugenia Cuvillier.

Staughton Prize in Latin—Alice Snowden Cocke.

James Macbride Sterrett, Jr., Prize in Physics—Ralph Staubly.

Alexander Wilbourne Weddell Peace Prize—Lyle Ohlander.
Honorable Mention: Alice Brown.

Lewes D. and Myrtie H. Wilson Prize in Obstetrics—Walter Raymond Stokes.

HOLDERS OF SCHOLARSHIPS

1928–1929

The Byron Andrews Scholarships—Margaret Dodge Chapin, Robert Bernard Considine, Stanley Wallace Bobski, Alice Kennedy Kieferle, Dorothy Gray, Louise James.

The Henry Harding Carter Scholarship—Robert Jerome Alpher.

The Maria M. Carter Scholarship—Elinor Dunnigan.

The Citizens' Military Training Camp Scholarship—Orville Woodsome.

The Columbian Women Scholarships—Sarah Virginia Barrett, Carie Wolcott Aal, Nanette Matilda Dembitz, Evelyn Elizabeth Schutz.

The Davis Scholarship—John Charles Shorey.

The Farnham Scholarship—Charles Gardner Shoemaker.

The Elma Lewis Harvey Scholarships—Elizabeth Drake, Clara Margaret Eaton, Clara Gaines Fulton.

The High School Scholarships—

Business High School: Israel Silverman.

Central High School: (Kendall Scholarship) Eleanor Elizabeth Kise.

Eastern High School: James Scratton Dietz.

McKinley Technical High School: Malcolm Taylor.

Western High School: Nevitt Smoot.

The John Hitz Metzerott Scholarship—George K. Campbell.

The Admiral Powell Endowment—Arthur Thomas.

The Mary Lowell Stone Scholarship—Ernestine Niemeyer.

The Walker Scholarship—Cyrus Johnson.

The Withington Scholarship—Ella Lee Sowers.

The Woodhull Scholarship—Claude Alexander Brubaker, Virginia Louise Bonifant.

STUDENTS REGISTERED

1928-1929

Names of students who have either withdrawn or graduated are indicated by stars (*); those who have entered since January 1929, by daggers (†).
Letters in parentheses indicate the course for which the student is registered.

COLUMBIAN COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

SENIORS

*Achstetter, Joseph Charles (Gen.) D. C.
Adams, Alice Antoinette (Gen.) D. C.
*Adams, Edward Everett (Gen.) D. C.
Allen, Bertha Wilson (Gen.) Me.
Andrews, Catherine Thomson (Gen.) D. C.
Aud, Constance Rosamond (Gen.) Md.
Bahr, Henry George (Gen.) S. D.
Baldwin, Charles Ervin, Jr. (Gen.) D. C.
†Ball, Alice M. (Gen.) D. C.
Bannerman, Catherine T. (Gen.) Va.
†Bawell, Ruth Amanda (Gen.) D. C.
*Bergin, May Cecelia (Gen.) D. C.
Bever, Ellis D. (Pre-Legal) Kan.
*Black, Lydagene (Gen.) Tex.
Bozicevich, John (Pre-Med.) Utah
Brady, Charlotte Conard (Gen.) D. C.
Brand, Carl Martin (Gen.) D. C.
Brand, Morris (Pre-Med.) N. Y.
Brandner, Bernard (Pre-Med.) N. Y.
Brawner, William Walker (Gen.) D. C.
*Bromley, Burt Martin (Com.) Md.
*Brown, Carey Wilson (Gen.) N. C.
Brown, William H. (Gen.) Ark.
Buchanan, Charles Wayne (Gen.) Va.
*Burke, John Harrington (Gen.) N. C.
*Burns, Eveline Dickinson (Gen.) D. C.
Butler, Ruth Elizabeth (Gen.) Tenn.
Campbell, Myrtle (Gen.) Ala.
Campbell, Theo (Gen.) Ala.
Christian, Corrine C. (Gen.) La.
Clark, Elizabeth Claggett (Gen.) D. C.
*Clark, Stanley A. (Pre-Legal) Okla.
Cole, John Will (Com.) D. C.
Cole, Margaret Cordelia (Gen.) D. C.
Cole, Virginia Agnes (Gen.) D. C.
*Coleman, Mary Virginia (Gen.) Va.
Cooper, Sybil Leona (Com.) Iowa
Cornette, Mrs. Estelle B. (Gen.) D. C.
Cox, Claire London (Gen.) D. C.
Crofton, George Henry (Gen.) D. C.
Crouch, Myrtle Vines (Gen.) D. C.
Davenport, Mortimer H. (Gen.) D. C.
Davis, Miriam (Gen.) Calif.
Davis, Muriel Birchfield (Gen.) D. C.
Day, Sara Milligan (Com.) D. C.
*Dearing, Charles Lee (Gen.) N. M.
Denning, Julia Lee (Gen.) D. C.
Drake, Elizabeth Kerfoot (Gen.) D. C.
Dubose, Louise Pierce (Gen.) D. C.
Duncan, Louise Legarde (Gen.) Miss.
Earle, Robert L. (Com.) Wis.
Eddy, Grace M. (Gen.) D. C.
*Eder, Marceline Gray (Gen.) D. C.
Eiker, Georgia G. (Gen.) Ill.
Eliason, Howard Russell (Com.) D. C.
Escher, Juliana M. (Gen.) S. D.
Espinosa, J. Edmundo (Gen.) N. M.
Fletcher, Evelyn Renn (Gen.) D. C.
Frisbie, Karl Friedolin (Pre-Legal) N. J.
Gahm, Haldor Louis (Gen.) Ohio
Gardner, Eilleen Adelle (Gen.) N. C.
*Geisel, Edith (Gen.) Pa.
Goldman, Benjamin (Pre-Med.) D. C.
†Gordon, Stanley Joseph (Pre-Med.) Pa.
Goss, John Hurlburt (Com.) Pa.
Graham, Alice Archer (Gen.) D. C.
Graves, Warren Edwin (Com.) Mass.
*Green, Mary Farquhar (Gen.) Md.
Hall, Eleanor Florence (Gen.) D. C.
Hance, Emma Osborne (Gen.) D. C.
Hanson, S. Dee (Pre-Legal) N. Y.
Hardy, William, Jr. (Com.) D. C.
Harnsberger, Julia R. (Gen.) Va.
Harrington, Mary Helen (Gen.) D. C.
Harrison, Lolla Smith (Gen.) Va.
Hayes, Catherine Elizabeth (Gen.) Ind.
Heal, Delight (Gen.) Wis.
Hendricks, Walter Anton (Gen.) P. R.
Heriot, Laura Lippitt (Gen.) D. C.
†Hill, Graham Lemoine (Com.) Iowa
†Hoffman, Roy Charles (Gen.) D. C.
Horn, Bernardine Elizabeth (Gen.) D. C.
*†Houch, Catherine Magil (Gen.) D. C.
Houser, Ralph H. (Com.) Md.
Humphrey, Estella (Gen.) Md.
Humphrey, Helen Wadsworth (Gen.) D. C.
Hunnicutt, Edward Harold (Gen.) D. C.
Huntzberger, Mae Loser (Gen.) Mass.
*Hyde, John Knowles (Com.) D. C.
Ifft, Lewis Roberts (Gen.) Md.
Imus, Alden Elon (Pre-Legal) Mich.
Ives, William S. (Gen.) D. C.
Jackson, Elizabeth W. (Gen.) D. C.
Jackson, Oscar A. (Gen.) Mich.
James, Ann Elizabeth (Gen.) Md.
Jones, Thomas Owen (Gen.) Me.
Karnes, William (Com.) D. C.
Kennedy, Mary Hanford (Gen.) D. C.
Kernan, Ruth Taylor (Gen.) N. J.
Kulp, Howard G., Jr. (Pre-Legal) N. Y.
Kurlandzik, Irving (Pre-Med.) Ill.
Lee, Mary Virginia (Gen.) Ill.
Lehman, Alicia Marie (Gen.) D. C.
Lepley, May (Gen.) D. C.
†Linch, Mark (Gen.) N. Y.
*Lippman, Paul (Pre-Med.) D. C.
Loeffler, Margaret Louise (Gen.) Ill.
Lundgren, Maynard B. (Gen.) Va.
*Lynch, Theresa Inez (Gen.) Md.
*Lyon, Rowland (Gen.)

McClure, Earl Cole (Com.) D. C.
McGehee, Dallas I. (Com.) La.
*McGrath, Robert (Pre-Med.) D. C.
Manning, Ellis Wooster (Gen.) Okla.
Marquis, John F. (Gen.) D. C.
Martin, Janie Baskerville (Gen.) Va.
Merchant, John Holt (Pre-Med.) Va.
Milburn, Frances Margaret (Gen.) Md.
Milne, Sue Estelle (Gen.) Md.
Moore, Nannie Maude (Gen.) Ark.
Moreland, Margaret Kennedy (Gen.) D. C.
Morhart, Mari (Gen.) D. C.
*Morrison, Edward B. (Gen.) Va.
Newburn, Ruth T. (Gen.) D. C.
Newman, Magdalene Rutan (Gen.) Ohio
Nordlinger, Bernard Isaac (Gen.) D. C.
O'Flaherty, Maude Irene (Gen.) Va.
Orr, Kathryn M. (Com.) D. C.
Ostrolenk, Mina Isobel (Gen.) Md.
Parks, Ruth Anderson (Com.) Mass.
Patterson, Richard Sharpe (Gen.) Pa.
*Paulson, Freeman R. (Gen.) Iowa
Paynter, Grace Moore (Pre-Med.) D. C.
Person, Benjamin V. (Com.) Tex.
Phillips, Dorothy Randall (Gen.) D. C.
Phillips, Gertrude M. (Gen.) D. C.
Phillips, Gordon Herndon (Gen.) D. C.
Phillips, Lawrence Akers (Gen.) D. C.
Pierson, Evelyn Virginia (Gen.) D. C.
Popenoe, Willis Parkison (Gen.) Md.
Preininger, Edward Richard (Gen.) Pa.
Protzman, Estelle Herbert (Gen.) Md.
Reff, Benjamin Franklin (Pre-Med.) N. Y.
Reynolds, Eula Agnes (Gen.) Ga.
Robinson, Frances Walker (Gen.) Va.
Rosuck, Allen Sidney (Pre-Med.) N. Y.
Russell, Truss U. (Gen.) Ark.
Schubert, Cora Lee (Gen.) D. C.
Senior, Mildred Ruth (Gen.) Kan.
*Sheridan, William F. (Gen.) Va.
Singleton, Mary Middleton (Gen.) Va.
Slye, George Henry (Com.) D. C.
Smith, Helen Virginia (Gen.) D. C.
Sommerville, James William (Com.) Va.
Soslowsky, Hyman (Pre-Med.) N. Y.
*†Sperry, August W. (Gen.) Fla.
*Spielman, William Paul (Gen.) Va.
Spitzer, Cora Lucile (Gen.) D. C.
Stevens, Welby Reed (Gen.) D. C.
Stevenson, McKay Edward (Gen.) D. C.
Stolar, Robert (Pre-Med.) D. C.
Sullivan, Marie Elizabeth (Gen.) N. Y.
Swanton, Lucy Ada (Gen.) D. C.
†Tashof, Leon Anthony (Pre-Legal) D. C.
Tauberschmidt, Phoebe Mary (Gen.) D. C.
Taylor, Helen Sewall C. (Gen.) Md.
Thomas, Eugene Shore (Gen.) D. C.
Toumarkine, Maurice (Gen.) Del.
Turoff, Dora M. (Gen.) D. C.
Vail, Margaret Lee (Gen.) D. C.
Watkins, Samuel (Com.) N. C.
Wheeler, Margaret (Gen.) D. C.
Whipple, Verna A. (Gen.) Va.
*White, C. Stanley (Gen.) D. C.
White, Marjory (Gen.) D. C.
Williams, Robert Snead, Jr. (Gen.) D. C.
Wills, Margaret Louisa (Gen.) Ga.
Windsor, Norma May (Gen.) Md.
Wolfe, Jared Dunn (Pre-Med.) Pa.
Woodward, N. Faye (Gen.) Kan.
Wright, Elizabeth Howard (Gen.) D. C.
Yale, Miles Augustus (Pre-Legal) Conn.
Yearns, Kenneth (Com.) D. C.
Yochelson, Charlotte Sara (Gen.) D. C.
Young, John Clifton (Pre-Legal) Ga.

JUNIORS

Abramson, Margaret (Gen.) Va.
Adams, Margaret Irvin (Gen.) Va.
Adams, William Ware (Gen.) D. C.
*Alexander, J. Fendall (Gen.) Md.
Allen, Mary Louise (Gen.) D. C.
Allex, Victor (Gen.) D. C.
Alpert, Flora (Gen.) D. C.
Andrus, Charles Fred (Gen.) Ill.
Babp, Helen Grace (Gen.) D. C.
Baker, Lenore Mary (Gen.) D. C.
Barsky, Frieda Ann (Gen.) D. C.
Battle, Richard Polkinham (Gen.) D. C.
Beach, Arthur Eugene (Com.) D. C.
Beard, Mary Lewis (Gen.) D. C.
Beard, William Henry (Pre-Med.) Md.
Beauchesne, Helen Graves (Gen.) D. C.
Bell, Philip Fletcher (Gen.) Colo.
Bentley, Thomas Bernard (Gen.) Pa.
Benzing, Norman Lloyd (Com.) Md.
Bercaw, Louise Oldham (Gen.) D. C.
Best, Mabel Bishop (Gen.) D. C.
Bierman, Mrs. Roberta H. (Gen.) Minn.
Bitman, Samuel (Gen.) D. C.
Bock, Helen Elizabeth (Gen.) Md.
Bodson, Charles Edward (Gen.) N. J.
Bowman, Marjorie V. (Gen.) W. Va.
Bradford, Florence M. (Gen.) Md.
Bradford, William Werner (Gen.) D. C.
Brashears, Mildred Maybelle (Gen.) D. C.
*Brigham, Mary Elizabeth (Gen.) D. C.
†Brown, Anita Belle (Gen.) D. C.
Brown, Josephine Perrigo (Gen.) D. C.
Brown, Oneda Maybelle (Gen.) D. C.
Bruner, Ruth (Gen.) D. C.
Burbank, Virginia (Gen.) Md.
Burlingame, Isabel Barber(Gen.) D. C.
Campbell, Jean (Gen.) D. C.
Carroll, Charles Troll (Pre-Med.) D. C.
Carrol, Lorena (Gen.) D. C.
Champion, William W. (Gen.) Calif.
Chase, Morris (Pre-Med.) D. C.
Cheyney, Harold Eglin (Gen.) Va.
Chindblom, Ruth Christine (Gen.) Ill.
Christopher, Clyde B. (Pre-Legal) Mich.
Clark, Annie Laura (Gen.) D. C.
Clark, Helen Leitch (Gen.) D. C.
*Clift, Marion Louise (Gen.) D. C.
Cocke, Louise Wilton (Gen.) Md.
Cole, Charles William (Pre-Med.) Md.
Collins, Alberta Ruth (Gen.) D. C.
*Collins, Marie E. (Gen.) D. C.
†Collins, Richard Lovett (Gen.) D. C.
Conger, Bernard Wallace (Gen.) D. C.
Conn, Leon Jack (Gen.) Va.
Conway, Katherine Taliaferro (Gen.) D. C.
Cook, Claude A. (Com.) Okla.
*Cranston, Beatrice Bryant (Gen.) D. C.
†Cranwill, Alfred (Gen.) D. C.
Crofts, Paul Herbert (Com.) Wyo.
Crowell, Ray (Gen.) Ill.
Cunningham, Loretta Heany (Gen.) D. C.
Davis, Robert J. (Com.) Mo.
Day, Emily L. (Gen.) N. Y.
Deener, Elizabeth Margaret (Gen.) D. C.

Dekay, Elizabeth Mary (Gen.) Va.
Dembitz, Lewis Naphitali (Gen.) D. C.
†Desilvia, Maxine Madeline (Gen.) D. C.
*Detwiler, Donald J. (Gen.) D. C.
Diamond, David (Pre-Med.) N. J.
*Dishmon, Lyman H. (Pre-Legal) Tenn.
Draeger, Anna Evelyn (Gen.) D. C.
Dunnigan, Elinor Elizabeth (Gen.) D. C.
Duvall, Lindsay Opie (Gen.) D. C.
Epstein, Joseph (Pre-Med.) N. Y.
Evans, Milton James (Gen.) Ohio
Farley, Ray Francis (Pre-Med.) N. J.
Faunce, Winifred Margaret (Gen.) D. C.
Faust, Mary Catherine (Pre-Med.) N. J.
Feinstein, Louise Frances (Pre-Legal) D. C.
Fetterhoff, Charles Edward (Com.) Pa.
Fisher, Josephine Anne (Gen.) Wis.
Fix, Robert Earl (Gen.) Idaho
Flagg, Grace Lillian (Gen.) D. C.
Fleck, James Hering (Pre-Legal) Pa.
Ford, Mary Elizabeth (Gen.) D. C.
Frank, Abner (Gen.) D. C.
Frazier, Melvin S. (Pre-Legal) N. D.
Freidson, Isadore (Com.) Va.
Fritz, Florence Ruth (Gen.) D C.
Fruitman, Cecelia Bee (Gen.) Ariz.
Furer, Helen Catlin (Gen.) D. C.
Fussell, Edith Viola (Gen.) Fla.
Garrett, Mildred Barker (Pre-Med.) D. C.
Gatti, Richard Stephen (Pre-Legal) D. C.
Goldberg, William D. (Pre-Med.) D. C.
Gooch, Donald Willis (Gen.) D. C.
Goodin, Helen Bernice (Gen.) Ohio
Gordon, Leon Stuart (Pre-Med.) D. C.
Gorham, Warren Abott (Gen.) La.
Gray, Dorothy (Gen.) D. C.
Gray, Robert Meade (Pre-Legal) D. C.
Greasley, Dorothy Estelle (Gen.) D. C.
†Green, Stella Porter (Gen.) Minn.
Greer, John Walker (Com.) Kan
Griest, Robert Alford (Com.) D. C.
Griswold, Nancy (Pre-Med.) D. C.
Grossblatt, Nathan (Pre-Med.) N. J.
Guinn, Harry Manville (Com.) Minn.
Halpern, Isadore Harry (Pre-Legal) D. C.
Hammer, Willard Lee (Gen.) N. C.
Harbaugh, Eva Luella (Gen.) Md.
Harlan, Ashlan Fleetwood, Jr. (Gen.) D. C.
Harrington, Florence (Gen.) D. C.
*Heavener, John Haven (Com.) Va.
Heinold, Katherine (Gen.) Mich.
Hicks, Katherine Ina E. (Gen.) N. Y.
†Hill, Cynthia Caroline (Gen.) D. C.
Hill, Neva Grace (Gen.) W. Va.
Hilton, Ralph (Gen.) Miss.
Hobbs, Carolyn (Gen.) D. C.
Hobbs, Kenneth Lancaster (Gen.) Md.
Holland, John F. (Pre-Legal) Colo.
Horn, Mary Cecilia (Gen.) D. C.
Huddle, Miriam W. (Gen.) Ohio
Hull, Raymond MacAllister (Com.) Mass.
†Hunt, Alice Ann (Gen.) Okla.
Hunter, Marjorie de Con (Pre-Med.) Va.
*Jackson, John Frederick (Gen.) Mo.
James, Alice (Gen.) D. C.
Jaquette, Charles Grantham (Com.) D. C.
Jessup, Daniel Arthur (Gen.) Okla.
Johnson, Catherine V. (Com.) Va
Johnson, Cyrus (Gen.) Md.
†Johnson, Frederic F. (Gen.) D. C.
Johnson, Richard F. (Com.) Md.
Jones, Frances Beaumont (Gen.) D. C.
Jones, James Emlyn (Gen.) D. C.
Jones, Monnie Neil (Gen.) Fla.
Jones, Wesley William (Com.) D. C.
Keeler, Kenneth LaFayette (Gen.) Utah
Keough, Paul Hamilton (Pre-Legal) D. C.
Keren, Barney Joseph (Gen.) D. C.
Kerns, Lucien Harper (Gen.) Md.
*Keifer, Earle Algie, Jr. (Pre-Legal) D. C.
Killarney, Francis M. (Pre-Legal) Mass.
Kimball, Arthur Alden (Pre-Legal) Mass.
King, Elsie Snow (Gen.) W. Va.
King, Llewellyn H. (Gen.) D. C.
*Kirk, Charles Roger (Pre-Legal) D. C.
Klaben, Reuben (Gen.) D. C.
Kleeblatt, Lillian Audrey (Gen.) D. C.
Klein, Isidore (Gen.) N. Y.
Klivitzky, Borris Max (Gen.) D. C.
Knauff, Pauline (Gen.) D. C.
Knott, William Luther (Pre-Med.) D. C.
Krebs, William Lawrence (Gen.) D. C.
Kreglow, Alan Frank (Pre-Med.) Md.
Kyle, Claudia Lois (Gen.) Md.
Laquay, Robert Reginald (Gen.) Ga.
*Larsen, Christine (Gen.) D. C.
Latterner, Virginia Burke (Gen.) Iowa
*Laughlin, Charles V. (Gen.) D. C.
Lawrence, Nellie Margaret (Com.) Colo.
†Layton, Philip R. (Pre-Legal) D. C.
Leighey, Marjorie Folsom (Gen.) D. C.
Lepman, Harry (Pre-Med.) N. Y.
Levey, Nathan N. (Gen.) D. C.
*Loehler, Thelma Halley (Gen.) D. C.
Lutz, Mary Katherine (Gen.) Wash.
McCarty, Oneta (Gen.) Pa.
*McCulloch, Mary Linn (Gen.) D. C.
McCullough, Joseph E. (Com.) Md.
McGraw, Myrtilla Herrick (Gen.) Ill.
†McKavitt, Matthew A. (Gen.) Minn.
McNally, Ruth Densmore (Gen.) D. C.
McNelly, John Hamilton (Gen.) Ind.
*MacDuff, Gertrude (Gen.) N. H.
MacGowan, Josephine Louise (Gen.) Pa.
Mahood, Frances Mildred (Gen.) D. C.
*Marshall, Frances Wilson C. (Gen.) P. I.
Martinez, Jose (Gen.) Ga.
Mathis, Mary (Gen.) D. C.
Matthews, Lucille Lawton (Gen.) D. C.
Mattice, William (Gen.) D. C.
Mattingly, Mary Alice (Gen.) Ga.
*Mauldin, Ruth (Gen.) D. C.
Maybee, Harold Vicory (Gen.) Va.
Mensh, Zelda Sara (Gen.) D. C.
Mercier, Alfred A. (Gen.) Ill.
Merdian, Bertha (Com.) N. J.
†Mermelstein, E. M. (Pre-Legal) D. C.
*Metro, Nathan Alfred (Gen.) D. C.
Meyer, Thomas Balthasar (Gen.) Va.
Miles, V. Estelle (Pre-Med.) D. C.
Milkie, Mary Helen (Gen.) D. C.
Miller, Barbara Anne (Gen.) D. C.
Miller, Elizabeth Rebecca (Gen.) N. J.
Miller, Jay Howard (Com.) N. J.
Miller, Nathan (Pre-Med.) D. C.
Miller, Russell P. (Pre-Med.) Md.
Mitchell, Virginia (Gen.) Pa.
†Monaghan, Joseph C. (Gen.) D. C.
Monk, Ella Margaret (Gen.) D. C.
Moon, S. Martha (Com.) Md.
Moore, Carey Moffett (Gen.) Kan.
Moore, Daisy R. (Gen.) N. Y.
Morris, Rachel Mary (Gen.) Va.
Mumaw, George Theodore (Com.) N. Y.
Murphy, Louise (Gen.) D. C.
Myers, Cornelia Anne (Pre-Med.) D. C.
Naylor, Mary Bodine (Gen.) D. C.
Nichols, Helen Crockett (Gen.)

Nix, Julius Carl (Gen.) Ill.
Nordby, Aagot Francine (Gen.) Minn.
Norris, John Gilbert (Pre-Legal) D. C.
*Norton, Clarence F. (Gen.) Neb.
Osterhout, Karl Jackson (Pre-Med.) D. C.
Oxenburg, Margaret Shirley (Gen.) D. C.
Oxenburg, Mildred Doris (Gen.) D. C.
Palmer, Barber C. (Gen.) Md.
Panzarella, Joseph A. (Gen.) N. Y.
Parsons, Verna Lenore (Pre-Legal) D. C.
Pasternak, Alfred (Gen.) D. C.
Patterson, Betty Annette (Gen.) D. C.
Payne, Howard S. (Gen.) Va.
Pearce, Annie White (Gen.) D. C.
Peckham, Henry L., Jr. (Pre-Med.) D. C.
Peterson, Hazel Alberta (Gen.) D. C.
Philbrick, Mary Holden (Gen.) Ga.
Pilkinton, Emily Blanton (Gen.) D. C.
Popkins, George Ross (Gen.) D. C.
Porter, Alexander M. (Pre-Legal) D. C.
Postley, Olive C. (Gen.) D. C.
Prentiss, Jean Elizabeth (Gen.) D. C.
Prussin, George (Pre-Med.) N. Y.
Ramage, Elizabeth Hill (Gen.) Va.
Reed, Fred Cassius (Pre-Med.) D. C.
Rees, Margaret V. (Gen.) Va.
Reinsmith, Harold G. (Pre-Legal) Pa.
Replogle, Thelma Alice (Com.) D. C.
Ritchie, Don C. (Com.) D. C
Robbins, Isabel (Gen.) D. C.
Robinson, Virginia Elizabeth (Gen.) Md.
*Roebken, Esther M. (Gen.) D. C.
*†Rogers, Gretchen Louisa (Gen.) Germany
Ronning, Ruth K. (Gen.) Minn.
Rosenthal, Anna Henrietta (Pre-Legal) Va.
Roth, George Martin (Gen.) D. C.
Rubenstein, Lillian (Gen.) D. C.
*Sailor, Frances Marie (Gen.) Mo.
†Sammons, Sudler E. (Pre-Med.) D. C.
Schneider, Margaret Haywood (Gen.) D. C.
*Seay, Thomas Hardie, Jr. (Com.) D. C.
Shanner, Charles Thomas (Pre-Legal) D. C.
Sharp, Freeman Wilfred (Pre-Legal) D. C.
Sharswood, Florence E. (Gen.) D. C.
Sheehy, Francis J. (Pre-Legal) Del.
†Shinn, Lawrence Dade (Com.) Pa.
†Shreve, William Oliver (Gen.) D. C.
Shull, Virginia Moore (Gen.) Md.
Shure, Fred Malcolm (Pre-Legal) Conn.
Sickler, Donald R. (Gen.) D. C.
Silverman, Morris (Pre-Med.) D. C.
Simonton, Kensey M. (Pre-Med.) Ore.
†Sinclair, Richard Allen (Gen.) Neb.
Slichta, Marie (Gen.) D. C.
Smith, Dorothy Ryder (Gen.) Md.
†Smith, Herbert F. (Gen.) Ind.
Smith, James Wilson (Com.) Md.
Snyder, George Henry S. (Gen.) Md.
Snyder, Monica Catherine (Gen.) D. C.
Somervell, Aubrey Norris (Gen.) D. C.
Sorrell, Joseph Ellis (Gen.) D. C.
Sowers, Ella Lee (Gen.) Va.
†Staples, Helen (Gen.) D. C.
Staubly, Ralph F., Jr. (Pre-Med.) W Va.
Stehman, John Harold (Com.) Va.
Steingold, Moses (Com.) Va.
*Stone, Wallace Grey (Gen.) Mo.
Storck, Virginia J. (Gen.) Va.
Stubbs, Donald Harrison (Pre-Med.) D. C.
Sullivan, Mary Carmel (Gen.) D. C.
Sullivan, Nana F. (Gen.) D. C.
Swope, Bradford (Com.) D. C.
Taxin, Ida Sarah (Pre-Legal) D. C.
Thompson, William Dove (Gen.) Md.
Toal, Frederick Clifton (Gen.) S. C.
Tobie, George Cary (Com.) Me.
Turnbull, Jenny Emsley (Gen.) D. C.
Van Deman, Wilma Estella (Gen.) Ind.
Walde, William Lowe (Gen.) D. C.
Weaver, Marjory A. (Gen.) Md.
Wells, Milton Kenneth (Com.) Okla.
Wenger, Marie Ruth (Gen.) Va.
Wharton, Maude C. (Gen.) Tex.
Wheeler, Elizabeth Beale (Gen.) D. C.
Wick, Florence Reta L. (Gen.) Minn.
Williams, Eleanor Doyne (Gen.) D. C.
Williams, Irene (Gen.) N. M.
Wingo, James G. (Gen.) D. C.
Wren, Virginia (Gen.) Pa.
Young, Ford Evans, Jr. (Pre-Legal) Md.
Zarin, Bernard (Pre-Med.) D. C.

SOPHOMORES

*Abbatecchio, Raymond J. (Gen.) D. C.
Acton, Richard Courtney (Gen.) Va.
Adlof, Richard Ernest (Gen.) D. C.
Agnew, Marjorie Harriet (Gen.) Iowa
Albert, Dorothy Ruth (Gen.) D. C.
Allen, James C. (Com.) D. C.
Allison, Andrew Vangrol (Pre-Legal) D. C.
Allison, William Morris (Pre-Med.) Utah
Ambrogi, Leo (Gen.) D. C.
*Anderson, A. Mildred (Gen.) Mo.
Anderson, Ellen Lamon (Gen.) Va.
Angel, Herbert Edmund (Gen.) D. C.
Apter, Harry (Pre-Med.) Conn.
Arnold, Irving Arthur (Pre-Med.) D. C.
Arrowsmith, Jean MacBurney (Gen.) Pa.
Ash, James Earle (Gen.) Pa.
Bailey, Linwood Kersey (Com.) D. C.
Bannerman, Christine E. (Gen.) Va.
Barker, Clifford O. (Gen.) R. I.
Barrett, Sara Virginia (Gen.) D. C.
Beattie, Daniel Currie (Pre-Med.) Va.
Beattie, May (Gen.) Va.
Becker, Gertrude Emelia (Gen.) D. C.
Bergman, Nathan (Gen.) Conn.
Berkowitz, Milton (Pre-Med.) N. Y.
Berkowitz, Samuel (Pre-Med.) N. J.
Best, Etta Evelyn (Gen.) Colo.
Bethune, Catherine Jean (Gen.) Va.
Bevans, Charles Irving (Com.) Md.
*Bittman, Mary Florence (Gen.) D. C.
Blake, Ennis Clare (Gen.) Idaho
Bobski, Stanley Wallace (Com.) D. C.
Bogue, Delia Frances (Gen.) Wash.
†Bolt, Ben (Gen.) D. C.
Booth, Betsy Bygate (Gen.) D. C.
Bowman, Joseph Myers (Gen.) D. C.
Boyd, Evelyn Mae (Gen.) Colo.
*Boyd, Tallmadge Leslie (Pre-Legal) Utah
Boykin, Katharine Lillian (Gen.) D. C.
Brainin, William (Pre-Med.) Md.
Brandt, Emmitt Wolf (Com.) Pa.
Breslow, Samuel (Pre-Med.) D. C.
*Brock, Anna Compton (Gen.) D. C.
*Brookfield, Lucy Montgomery (Gen.) Va.
Brooks, Solomon (Gen.) D. C.
*Brown, Augusta Hanlon (Pre-Legal) D. C.
Brubaker, Claude Alexander (Gen.) D. C.
Brunschwig, Marguerite (Pre-Legal) D. C.

Buckley, James L. (Pre-Legal) Conn.
Buell, Virginia King (Gen.) Va.
*Bunch, Jessie May (Gen.) D. C.
Bunten, Elizabeth Ellen (Gen.) D. C.
Burns, Charles Willard (Gen.) D. C.
Byer, Maurice Yale (Gen.) N. J.
*Canfield, Clarinda (Gen.) D. C.
Carmack, Forrest Moore (Gen.) Mo.
Chamberlain, Beulah Lee (Gen.) D. C.
Chaney, Florence Eleanor (Gen.) Ohio
Chapin, Ida Florence (Gen.) Pa.
Chapin, Theodore (Gen.) D. C.
Chasmar, Louise (Gen.) D. C.
Chisholm, Mary-Eunice (Gen.) Md.
Christopherson, Carl (Gen.) D. C.
*Clark, Sarah Jeanette (Gen.) Va.
Clark, Wesley Cowdin (Com.) Mass.
Clarke, Mae Harris (Gen.) Md.
Cohen, Walter (Gen.) D. C.
Cohn, Robert (Gen.) D. C.
Coleman, Andrew Joel (Pre-Legal) Ohio
Coleman, William Ernest (Pre-Med.) Ky.
Collins, Patrick Joseph (Gen.) D. C.
Conger, Virginia Watts (Gen.) D. C.
Connington, Paul (Pre-Med.) N. J.
Copenhaver, William C. (Com.) D. C.
Corcoran, Charles Joseph (Gen.) Va.
Corea, India Bell (Gen.) D. C.
Corey, Merle Irving (Pre-Med.) N. Y.
Cornish, Lalla H. (Com.) Texas
Coult, May (Gen.) N. H.
Cragun, John Wiley (Pre-Legal) Utah
Craig, Margaret H. (Gen.) Pa.
Crews, Mildred (Gen.) D. C.
Crezie, Carl Peter (Gen.) Utah
Crumley, H. Naomi (Gen.) N. C.
Cullimore, Leland K. (Pre-Med.) D. C.
Cummings, Owen C. (Com.) Pa.
Cushman, Robert Wood (Com.) D. C.
*Danforth, Paul Emerson (Pre-Legal) D. C.
Darling, Ralph Edwin (Com.) N. Y.
Davis, Arthur Marshall (Pre-Legal) D. C.
†Day, Edith Kemp (Gen.) D. C.
*Dean, Olive (Gen.) D. C.
DeHaas, Miriam M. (Pre-Legal) D. C.
Delaney, Thomas J. (Pre-Legal) Wash.
Delbaum, Harry (Pre-Med.) N. Y.
Dement, Melissa (Gen.) D. C.
Denicke, Clem Joseph (Pre-Legal) Fla.
Dismer, William Frederick (Gen.) D. C.
Dixon, Laura M. (Gen.) N. D.
Domush, Herman (Pre-Med.) N. Y.
Dooley, John Eugene (Pre-Legal) Utah
†Dorset, Virgil Jackson (Pre-Med.) D. C.
Draper, William Curtis (Gen.) D. C.
Dryer, David Alan (Com.) D. C.
*DuBois, Naomi Pinckney (Gen.) N. Y.
Dunn, Gordon Elroy (Gen.) D. C.
Edmonston, James Harvey (Com.) D. C.
Edwards, Gordon (Com.) Va.
Eidhammer, Carolyn Elizabeth (Gen.) Va.
Eisenberg, Gerson G. (Gen.) Md.
†Ellsworth, Harold W. (Pre-Legal) Idaho
Epaminonda, John G. (Gen.) D. C.
Ervin, Mary Virginia (Gen.) W. Va.
†Espinosa, Louis (Gen.) N. M.
Evans, Hiram Shunk (Com.) Iowa
Falls, S. Mabel (Gen.) D. C.
*Fawcett, Fernley G. (Pre-Legal) N. C.
Feather, Edith (Gen.) D. C.
Feldman, Irvin (Pre-Med.) D. C.
Ferguson, James Houston (Gen.) Texas
Feuer, Joseph A. (Pre-Med.) N. J.
Fonoroff, David Louis (Pre-Med.) D. C.
*Ford, Donna Leslie (Gen.) D. C.
†Foster, Albert White (Gen.) Va.
*Foster, George Nelson (Gen.) D. C.
Fraser, Caroline Wilcox (Gen.) N. Y.
*French, Florence Berry (Gen.) D. C.
Freriks, Bertha (Gen.) Wis.
Freundlich, Isidore (Pre-Med.) N. Y.
Friedman, Maurice (Gen.) Conn.
Frisbie, Margaret Ethel (Gen.) D. C.
Garfinkle, Herbert (Pre-Med.) D. C.
Gates, Catherine Burkett (Gen.) D. C.
Geiger, Barbara Remmel (Gen.) D. C.
Gerber, Aaron (Pre-Med.) D. C.
Gerry, Philippa E. (Gen.) D. C.
Gertler, Louis (Pre-Legal) D. C.
*Ghiz, Luther Harvey (Gen.) D. C.
*Gignilliat, John McIver (Pre-Legal) D. C.
Ginsburg, Morris (Pre-Med.) N. Y.
Goldberg, George Isadore (Pre-Med.) D. C.
Goldiner, Eva (Gen.) D. C.
Goldstein, Albert (Pre-Legal) Pa.
Goldstein, Marcus Solomon (Gen.) D. C.
Goodrich, Mazie Viola (Gen.) D. C.
Gordon, Bartley Patrick (Com.) Mo.
Gray, Chester Harold (Gen.) D. C.
Greenwood, William Barton (Com.) Va.
†Griffith, Lera Evelyn (Gen.) Md.
Griggs, Ruth (Gen.) D. C.
†Grimsdell, Frank A. (Pre-Legal) Minn.
Gronvold, Ingeborg Solveig (Gen.) D. C.
*Groseclose, Catherine R. (Gen.) Ark.
Grossman, Pauline (Gen.) Mich.
Grow, Wendel Herbert (Pre-Legal) Wash.
*Haley, Andrew Gallagher (Gen.) Mass.
*Hall, Florence Boardman (Gen.) D. C.
†Hamblin, Lawson O. (Pre-Med.) Va.
Harrell, Theodore Leftwick (Pre-Med.) D. C.
Henderson, Jane (Gen.) Pa.
Henninger, Pern Emerson (Gen.) D. C.
†Heslet, Mary Rhoda (Gen.) D. C.
Higgins, Lucy Dinwoody (Gen.) Va.
Hilder, Lillian D. (Gen.) D. C.
*Hill, John Rowland (Gen.) Pa.
Hill, Richard Archibald (Pre-Legal) D. C.
Hill, Samuel Thomas (Gen.) D. C.
*Himes, Robert Stanley (Gen.) D. C.
Hinton, Marion Sharpless (Gen.) Ill.
Hoge, Elizabeth Hiden (Gen.) D. C.
Holaday, Helen Edythe (Gen.) Md.
*Holbrook, Helen Vivian (Gen.) Conn.
Holmes, Alice M. (Pre-Legal) N. Y.
Hopkins, Robert Stanley (Gen.) N. Y.
†Hough, Romeyn B., Jr. (Com.) Kans.
Howe, Sarah Louise (Gen.) D. C.
Huckstead, Erma Jean (Gen.) D. C.
Hudson, Mary Elizabeth (Gen.) Pa.
Hudson, Maude Percy (Gen.) Ind.
Hugus, Sarah T. (Gen.) D. C.
Hultz, Louise (Com.) D. C.
Hunter, Edwin Hobson (Gen.) Ind.
Huntington, William Elderkin (Gen.) D. C.
*Hurdle, Richard Maurice (Pre-Legal) D. C.
I'Anson, Nannie A. (Pre-Legal) D. C.
Irey, Josephine Laura (Gen.) P. I.
Iverson, Kenneth Ross (Pre-Legal) S. D.
Javier, Pedro Quanico (Gen.) D. C.
Jefferson, Merrill Edward (Gen.) Md.
Jeffrey, Millard (Pre-Med.) Wis.
John, Hermione Idris (Gen.) Mo.
*Johnson, Paul Gerhard (Com.) Va.
Johnson, Sherman (Pre-Legal) Fla.
Johnston, Albert Caldwell (Gen.) Iowa
†Johnston, Hazel (Gen.)
Jones, John Wesley (Com.)

*Joyner, Asbury Pinckard (Gen.) D. C.
Keesee, Sylvester Wooding (Com.) D. C.
Kellond, Harriett Elisabeth (Gen.) D. C.
*Kerr, Helen Pratt (Gen.) D. C.
Kinnard, Virginia (Gen.) D. C.
†Kinney, Harriet Dorothy (Gen.) Minn.
*Kisner, John Happ (Com.) W. Va.
Knapp, Ignatius Melchior (Pre-Legal) Pa.
Knight, Perle (Gen.) Ala.
Knowles, John Philip (Gen.) Iowa
Knowlton, Frances Jessie (Com.) D. C.
Knowlton, John Wellington (Gen.) Md.
Koch, Meyer (Pre-Med.) D. C.
Lacey, John Stinson (Gen.) Md.
Ladd, Virginia (Gen.) Md.
Lafount, Lenore (Gen.) D. C.
†Lahti, Ruth Virginia (Gen.) Minn.
†Lakin, Hubert W. (Gen.) D. C.
Lavender, Frances (Gen.) D. C.
Lawton, Alethea Helen (Gen.) D. C.
Lazarus, William Jay (Pre-Med.) N. Y.
*Leach, Sanford Burdette (Pre-Med.) D. C.
Leavitt, Jose (Pre-Med.) P. R.
Lee, Walter R. (Gen.) N. Y.
Leedom, James Kendall (Gen.) Md.
Leigh, Alfred Day (Pre-Legal) Va.
Lemeshewsky, George P. (Pre-Med.) D. C.
*Lenox, Edna (Gen.) Ark.
†Lentz, Lucy Richmond (Pre-Legal) N. C.
Leonard, Robert Sterling (Gen.) D. C.
Lesser, Florence (Gen.) D. C.
*Lestz, Bertha S. (Gen.) Pa.
Levin, Samuel George (Pre-Med.) N. J.
Lewis, Abraham (Pre-Med.) R. I.
Lewis, Irene (Gen.) D. C.
Licklider, William Boyd (Com.) W. Va.
Lier, June Dolores (Gen.) N. D.
*Liles, Ruth Ellen (Gen.) D. C.
†Lilley, Donald H. (Com.) D. C.
Lindsay, Eloise Virginia (Pre-Med.) D. C.
Link, Henry W. (Gen.) S. C.
Linkins, George Fitzhugh (Pre-Legal) D. C.
Linton, Frank Truman (Pre-Med.) D. C.
Loughlin, Beryl Frances (Gen.) D. C.
Lowell, May I. (Gen.) D. C.
Lu, June Da (Gen.) D. C.
Lyman, Josiah (Pre-Legal) D. C.
McCarthy, Thomas Augustine (Gen.) D. C.
McClellan, Henry Leatis (Pre-Med.) Ind.
McDougle, Leonidas (Com.) D. C.
McKay, Alice Josephine (Com.) D. C.
*McKelvey, Elizabeth Peck (Gen.) D. C.
McLean, Grace May (Gen.) D. C.
McNary, Mary Helen (Gen.) Md.
McQueen, Thomas Warren (Com.) D. C.
McReynolds, William E. (Com.) D. C.
Mack, Fred Julian (Pre-Legal) S. D.
Mackall, Louise Travis (Gen.) D. C.
*Maddox, Agnes Phillips (Gen.) D. C.
Madison, James F. (Gen.) D. C.
Magarity, Erma Elizabeth (Gen.) Va.
Magill, Gertrude Elizabeth (Gen.) D. C.
Major, Sarah Louise (Gen.) Mo.
Manning, Lucy Rains (Pre-Legal) Okla.
Manning, Rosalie (Gen.) Md.
Mapes, Robert Warrington (Gen.) Mich.
*Marceron, Lillian (Gen.) D. C.
Markwood, Ruth (Gen.) D. C.
Martin, Francesca Phillips (Gen.) D. C.
*Martin, Johanne Virginia (Gen.) D. C.
*Marzulla, Frank George (Pre-Med.) Tenn.
Mason, Jacob Herman (Gen.) N. Y.
May, Mary Frances (Gen.) D. C.
Meagher, Mary Alice (Pre-Legal) D. C.
Mendez, Angel M. (Pre-Med.) Spain
Mennen, Frank Oswald (Pre-Med.) D. C.
*Menzel, Robert Henry (Com.) D. C.
Meredith, Richard H. (Pre-Med.) D. C.
Messina, Thomas (Pre-Med.) N. J.
Meyer, Marguerite Sheffield (Gen.) Iowa
Miller, William Sterling (Pre-Med.) Va.
Mills, Coel William (Gen.) Mont.
Minsky, Arthur (Pre-Med.) N. Y.
Mish, Kemp Hammond (Pre-Med.) D. C.
Mitchell, Margaret Elizabeth (Gen.) D. C.
Mitchell, Peter Judson (Pre-Legal) Iowa
Monachino, Venera Rose (Pre-Legal) Pa.
Moncure, Robert Clarke (Com.) D. C.
Moore, Aurelia (Gen.) Md.
†Moore, Paul Hawkins (Gen.) D. C.
Moorhead, Gertrude E. (Gen.) D. C.
Moudy, Bernice Elinor (Gen.) Ind.
Moyer, Lida Roberta (Gen.) D. C.
Mullins, Irma (Gen.) D. C.
Murdock, Frank Joseph (Pre-Legal) D. C.
Myers, Frances Cochrane (Gen.) N. D.
Nead, John Elmer (Com.) Iowa
Neal, William Frank (Gen.) D. C.
Neil, Allen Eldridge (Com.) S. D.
Newman, Howard Ellsworth (Gen.) D. C
Newman, Margaret Fahey (Gen.) W. Va.
Norton, Leland Dean (Com.) D. C.
Oddenino, Mary Adeline (Gen.) D. C.
Ogus, Walter (Gen.) D. C.
Orben, Lloyd Deering (Pre-Med.) N. Y.
Orris, Harold Julius (Pre-Med.) N. J.
Oxenburg, Gerald Isaac (Pre-Legal) D. C.
Packtor, Jack Arnold (Pre-Med.) D. C.
Palmer, Catherine Bell (Gen.) D. C.
Parker, Margaret Hoover (Gen.) D. C.
Parsons, Frank (Com.) D. C.
Parsons, John Hughes (Com.) D. C
Parsons, Robert Leroy (Gen.) D. C.
*Patterson, Marie (Gen.) Ky.
Payne, John Byrd (Gen.) Md.
Peter, Fannie Irene (Gen.) D. C.
†Peterson, Gerald Herman (Gen.) Calif.
Peterson, Thomas Hardin (Com.) Texas
Phillips, Juliet (Gen.) D. C.
Pitts, Bessie May (Gen.) D. C.
Pitts, Lorena (Gen.) D. C.
Pledger, Reginald Harrison (Com.) D. C.
Pohlmann, Robert George (Com.) D. C.
Pontzer, Robert Francis (Pre-Legal) Pa.
Poole, John Herbert (Gen.) Va.
Porter, Halbert Lyndon (Gen.) D. C.
*Posey, Myrtle Catherine (Pre-Legal) D. C.
Powell, Jean Dickerson (Gen.) Va.
Prender, Kingsland (Gen.) D. C.
Price, Jack Ernest (Pre-Legal) D. C.
Price, Lance Charles (Pre-Med.) Ala.
Price, Leonard Hugo (Pre-Legal) Md.
Priest, Mary Katherine (Gen.) D. C.
Proctor, Harry William (Com.) D. C.
Prulitsky, Joseph (Gen.) N. Y.
Rabinowitz, Gilbert (Pre-Legal) N. Y.
Rambo, Tremaine Ercilla (Com.) Texas
Randolph, Agnes M. (Com.) Ill.
Ratcliffe, Joseph Lienson (Pre-Legal) D. C.
Rawalt, L. Marguerite (Pre-Legal) Texas
*Ray, Gladys C. (Com.) Nebr.
Reardon, James Leonard (Com.) Ill.
Rector, Thelma Mills (Gen.) D. C.
Reed, Mabel C. (Gen.) Iowa
Reed, Sarah Wilson (Gen.) D. C.
Reeves, Clyde Pinkney (Pre-Med.) D. C.
Remley, Ralph Day (Gen.) D. C.

Renstrom, Lester Francis (Com.) Idaho
Rice, George Milton (Com.) D. C.
Richardson, Francis X. (Pre-Med.) D. C.
Richey, Robert Charles (Pre-Legal) Ohio
Rigby, Scott G. (Pre-Legal) Iowa
Robey, Charles Boyd (Com.) D. C.
Rodeck, Herbert Alfred (Gen.) Ill.
Rohrer, Carl Peffer (Pre-Legal) Va.
Rollins, Pearl Sylvia (Gen.) Mass.
†Rose, Katherine D. (Gen.) D. C.
Rosen, Alexander Charles (Pre-Med.) N. Y.
Roudabush, William G. (Pre-Legal) D. C.
Roush, Walden Francis (Gen.) D. C.
Rowe, Lena L. (Gen.) Iowa
Ruby, Evelyn E. (Gen.) Wis.
Rule, Raymond (Gen.) D. C.
Ruth, Dorothy Mae (Gen.) D. C.
Ryan, Margaret Frances (Gen.) D. C.
Saegmuller, Louisa Page (Gen.) Va.
Saltzman, Frank R. (Pre-Legal) D. C.
Sager, Bert Elmer (Gen.) Md.
*Sallinger, Merritt Lee (Pre-Legal) Va.
Sanders, Sarah Elizabeth (Gen.) D. C.
Sarlin, Irving (Pre-Med.) N. Y.
Schenken, Dorothy Mae (Gen.) D. C.
*Schilz, Harold L. (Pre-Legal) N. Y.
Schindler, Julius Eli (Gen.) D. C.
Schoonover, Irl Corby (Gen.) W. Va.
Schult, Verna May (Gen.) Wis.
Schwinn, George H. (Pre-Med.) D. C.
Scofield, John D. (Pre-Legal) Md.
*Scogin, Clyde Wakefield (Gen.) D. C.
*Scott, Frances Marion (Gen.) D. C.
Sebrell, William Henry (Gen.) D. C.
Sedlak, Oliver Anton (Gen.) Wis.
Seibert, Carolyn Eastman (Gen.) D. C.
Selinkoff, Joshua Jesse (Pre-Med.) N. Y.
Sheppard, Janet (Gen.) Texas
Shields, Frederick Wyatt (Gen.) Md.
Shipman, Elizabeth Foss (Gen.) N. Y.
Shockley Hattie Vansant (Gen.) Md.
Shreehan, Hubert Francis (Pre-Med.) N. J.
Shulman, Isidore (Pre-Med.) D. C.
Siddall, Emilie Emma (Gen.) D. C.
Sill, Virgil Merton (Gen) Va.
Sime, Anna Jean (Gen.) D. C.
Simms, George Dyson (Pre-Med.) D. C.
Simonds, Marjorie Louise (Gen.) D. C.
Small, Albert Webster (Gen.) D. C.
Small, Gertrude Katharine (Gen.) D. C.
Smith, Carroll Newton (Gen.) D. C.
Smith, Ford Edmund (Gen.) Wash.
Smith, Jonas Milton (Com.) D. C.
*Smith, Mary Haley (Gen.) Tenn.
Smoot, Williamson (Com.) N. C.
Snyder, Carolyn Hannah (Pre-Med.) D. C.
Snyder, Henry Sol (Pre-Legal) D. C.
Sobotka, Clement John (Gen.) Md.
Solodowsky, Morris L. (Gen.) D. C.
Sosa, Gabriel Ramon (Pre-Med.) Panama
Spicer, Hazel I. (Gen.) Va.
Spratt, Margaret Louise (Gen.) Ala.
Staggers, Effie V. (Gen.) W. Va.
†Steele, John Winton (Gen.) Idaho
Steele, Martha Lulu (Gen.) D. C.
Stepakof, Harry (Gen.) Conn.
Stevens, Martha McCleliand (Gen.) D. C.
Stevenson, Ezra Richards (Com.) D. C.
Stewart, Marion (Gen.) D. C.
Stocker, Grace E. (Com.) Pa.
Stover, John Lewis (Pre-Legal) D. C.
Strine, Fred Ehrenfeld (Pre-Legal) W. Va.
Strother, C. Porter (Com.) Ind.
Sturm, Edna L. (Gen.) D. C.
Sublette, Ruth Buckle (Gen.) Va.
Sutton, Anne Claudia (Gen.) D. C.
Sutton, Jane (Gen.) N. C.
*Swain, Julian Haywood (Pre-Med.) D. C.
Swinburne, Arthur F. (Pre-Legal) Miss.
Sykes, Eugenia O. (Gen.) Utah
Tanner, John H. (Gen.) W. Va.
Taylor, Edith Pugh (Gen.) D. C.
Thacker, John William (Gen.) D. C.
Theis, Ethel Jane (Gen.) D. C.
Thom, Beatrice (Gen.) N. Y.
Thomas, John Roy (Com.) D. C.
Thompson, Owen Gardner (Gen.) Wyo.
Thulemeyer, L. C. (Pre-Legal) D. C.
Tillotson, John Wallace (Pre-Legal) N. Y.
Topperman, Samuel (Pre-Med.) D. C.
Trembley, Helen Louise (Gen.) D. C.
*Trimble, Agnes (Gen.) N. C.
*Turnage, William Edwin (Gen.) Va.
Turner, Julian B. (Com.) Mass.
Uhlig, Melanie Emily (Gen.) D. C.
Wade, Effie Owings (Gen.) Pa.
Walker, Fred Biesecker (Gen.) D. C.
Waller, Elizabeth (Gen.) D. C.
Wallerstein, Gussie A. (Pre-Med.) D. C.
Walter, Alpheus Lauck (Com.) D. C.
Ward, H. Jeffery (Com.) D. C.
Ward, Vivian Harner (Gen.) Mich.
Waterman, Bernice L. (Pre-Legal) Mo.
Watson, Quentin Durward (Com.) D. C.
Wecksler, Esther Rae (Gen.) D. C.
Weintraub, Robert Louis (Pre-Med.) D. C.
Weitzel, Frank Harvey (Gen.) D. C.
Weller, Margaret C. (Pre-Med.) D. C.
West, Marion Eugene (Pre-Med.) Ga.
*Westbrook, Alice C. (Gen.) Va.
Wester, Horace Volney (Gen.) Va.
Wester, Robert Emerson (Gen.) Mont.
Wheeler, John Leonard (Gen.) Iowa
Whipple, M. Edith (Gen.) D. C.
†White, Helen Louise (Gen.) D. C.
Whyte, Louis Ellwood (Com.) D. C.
*Williams, Burrus (Gen.) D. C.
Williams, Chester Milton (Gen.) D. C.
Willoughby, Grace Elizabeth (Gen.) D. C.
Willoughby, Marion Frances (Gen.) D. C.
Willson, Eleanor Everett (Gen.) Del.
Wilson, Lydia Houston (Pre-Legal) D. C.
Wimsatt, Genevieve Beckwith (Gen.) D. C.
Windsor, Paulina (Gen.) Pa.
*Witmer, Marlin Merle (Gen.) Va.
Woodhouse, Iris Frances (Gen.) D. C.
Wright, Roberta Dennis (Gen.) Japan
Yanagida, Hikoji (Gen.) N. Y.
Zaidens, Sadie Helene (Gen.) Ind.
Zartman, Ross Barnard (Com.) Mo.
†Zimmerman, Milford Stanley (Gen.) Ala.
Zoch, Richmond Tucker (Gen.) D. C.
†Zuberano, Henry Albert (Gen.)

FRESHMEN

Aal, Cary Wolcott (Gen.) D. C.
Aaron, Irene Pearl (Gen.) D. C.
Abeles, Sara Block (Gen.) N. J.
Abramson, Alfred (Pre-Med.) Va.
Abramson, Norman (Pre-Legal) D. C.
Adams, Norton Edward (Pre-Med.) Conn.
Adams, Robert Longbridge (Gen.) Mass.
*Albert, Janette Adelaide (Pre-Legal) D. C.

*Albright, Helen Marie (Gen.) D. C.
Aldrich, Rosemary (Gen.) Ill.
Aldrige, George Telfair (Gen.) Ohio
Alexander, Elizabeth Claire (Gen.) D. C.
†Alexander, Herbert Lee (Gen.) W. Va.
Alfano, Nicholas Francis (Pre-Med.) N. J.
Algire, Dorothy Duvall (Gen.) Md.
Allen, Dorothy Brown (Gen.) D. C.
Allen, Rosalie M. (Gen.) La.
†Allen, Ruth Augusta (Gen.) D. C.
†Allnutt, Ellen D. (Gen.) Md.
Almony, Norman Sylvester (Gen.) Md.
Alpher, Ruth (Pre-Legal) D. C.
Alpher, Solomon (Pre-Legal) D. C.
Alt, Anna Bertha (Gen.) D. C.
Altshuler, Rhoda (Gen.) N. Y.
Amos, Henry Emanuel (Com.) Md.
*Anderegg, Carl Emil (Gen.) D. C.
Anderson, Myron Albert (Gen.) Ariz.
†Anderson, Thomas J. (Pre-Legal) Minn.
Andrada, Geronimo Fonacier (Gen.) P. I.
*Anthony, Hazel Irene (Gen.) N. Y.
†Arnold, Zoe Emily (Gen.) Ark.
Arps, Harold Fred (Gen.) Ohio
Ashton, Mildred (Gen.) D. C.
Atherton, Dolph William (Gen.) Md.
†Atkins, George L. (Gen.) Ky.
Aud, W. Dudley (Gen.) Md.
Avery, Edwina V. Austin (Gen.) N. Y.
Ayres, Wilbur Carter (Pre-Legal) D. C.
Baer, Ella (Gen.) D. C.
Bailey, Alice Louise (Gen.) D. C.
†Bailey, Catherine Gertrude (Gen.) N. Y.
Bailey, Helen May (Gen.) Ore.
*Bailey, Robert Munroe (Gen.) Ala.
Bain, Wendell Henry (Gen.) Iowa
Bair, Dorothy Ruth (Gen.) D. C.
Baird, Una Morris (Gen.) D. C.
Baker, James Ralph (Com.) Okla.
Baker, Louis Stanford (Pre-Med.) N. M.
Ball, William Howard (Gen.) D. C.
Baltz, Elizabeth Boesser (Gen.) D. C.
Banks, Dolly Madison (Gen.) Ky.
*Barker, Elizabeth Irene (Gen.) N. Y.
†Barnhart, Nelson Gregory (Gen.) D. C.
Barrick, Katherine Elliott (Gen.) D. C.
Bartel, Helen Loraine (Gen.) D. C.
*Basim, Betty (Gen.) D. C.
†Bastabel, Edwin Francis (Com.) D. C.
Bates, John Edward (Gen.) D. C.
Bates, Mary Ruth (Gen.) D. C.
Bauersfeld, Emil Herbert (Pre-Med.) Md.
†Beal, Annie Fletcher (Pre-Legal) Mo.
Beasley, Delmar Otis (Pre-Legal) D. C.
Beattie, Edith Mary (Pre-Med.) Va.
Beck, Helen (Gen.) D. C.
Beckham, Claire (Gen.) Texas
Beckley, Jayne Frances (Gen.) D. C.
Beekman, Milton Mayer (Com.) D. C.
Beers, Davis Nelson (Gen.) D. C.
Belfield, William Randolph (Gen.) Md.
Bell, Ruth Eleanor (Gen.) D. C.
Beller, Leona Marie (Gen.) Wis.
Belnick, Esther (Gen.) D. C.
Benenson, Philip (Gen.) D. C.
*Bennett, Louise (Gen.) D. C.
Benzler, Eola Frances (Gen.) D. C.
†Berg, Harry (Pre-Legal) D. C.
Berman, Bernard (Gen.) D. C.
*Bernheimer, Elizabeth Nettie (Gen.) D. C.
Bernstein, Jeanette (Gen.) D. C.
*Berrall, Eileen Virginia (Gen.) D. C.
Berry, Samuel Winfred (Com.) Va.
Berry, Thomas Payne (Gen.) D. C.
Berryman, Louise Rhees (Gen.) D. C.
Best, Howard Paul (Pre-Med.) Ill.
Biggerstaff, Gladys Louise (Gen.) D. C.
†Bisselle, Sara Elizabeth (Gen.) Md.
Black, Dorothy Adele (Gen.) Texas
Blaine, James William (Pre-Legal) Idaho
Blaisdell, Eleanor Wingate (Gen.) N. H.
*Blanchard, John (Gen.) D. C.
†Blanchard, Knowles (Gen.) Pa.
Blond, Ruth Theresa (Gen.) D. C.
Blythe, Harold Hillman (Pre-Legal) D. C.
Bond, Claris May (Gen.) D. C.
Booth, Fred Monroe (Gen.) D. C.
Borger, Magdalen (Gen.) D. C.
Bostick, Lulu Edna (Gen.) Ohio
Boucher, Lyle Grant (Gen.) Nebr.
Bowie, Donald MacAlpin (Gen.) Md.
Bowie, Frank M. (Gen.) D. C.
Bowles, Edgar Oliver (Gen.) D. C.
Boxer, Sophie (Gen.) D. C.
Boyle, Robert Joseph (Gen.) Pa.
*Bradley, Elizabeth Cox (Gen.) D. C.
*Bradley, Vincent William (Gen.) Va.
Bradshaw, Clyde Benson (Gen.) Va.
Brall, Mildred Anna (Gen.) D. C.
Brands, Elizabeth C. (Gen.) Ky.
Brasch, Carolyn Mildred (Gen.) D. C.
*Braun, Agnes Clara (Gen.) Wis.
Bray, Mason Barnes (Gen.) D. C.
Breckinridge, Lillian (Gen.) D. C.
†Brenner, Henry (Gen.) N. Y.
Brewer, Donald DeWitt (Com.) N. Y.
†Briggs, Anita Rose (Gen.) D. C.
Brindell, Clarence K. (Gen.) D. C.
Brinley, Kathryn Eugenie (Gen.) D. C.
†Britton, Mary Virginia (Gen.) Md.
*Brodrick, Kenneth Lees (Pre-Legal) Kans.
Brookhart, Florence H. (Pre-Med.) Iowa
Brooks, Carolyn (Gen.) D. C.
Brower, Edgar Jay (Gen.) Iowa
*Brown, Jack Funstall (Gen.) D. C.
Brown, Ruth Miller (Gen.) D. C.
Brown, Southwell (Pre-Med.) Md.
†Bruce, Louise Frances (Com.) D. C
Bruce, Myrtle Heisen (Gen.) Va.
†Brush, Elizabeth Margaret (Gen.) Md.
Buchanan, Martha Hopkins (Gen.) D. C.
Buckey, John Leo (Gen.) D. C.
Buckingham, John Hosmer (Com.) D. C.
*Budd, Alma Nadyne (Gen.) D. C.
Buker, Kenneth C. (Gen.) R. I.
Bunch, John Wilbert (Gen.) D. C.
Bundy, Ross Peart (Pre-Med.) N. Y.
*Burkart, Frank Joseph (Pre-Legal) Md.
*Burn, Lester Trueman (Com.) D. C.
Burnett, Donald Briggs (Pre-Legal) D. C.
*Burns, Harry Spilman (Gen.) Md.
Burns, John Fielding (Gen.) Va.
*Burroughs, Francis D. (Pre-Legal) D. C.
Burtness, Earl Frederick (Com.) N. D.
†Bush, Ida (Gen.) D. C.
Bushman, Vernon Louis (Pre-Legal) Minn.
†Butler, Evelyn Rebecca (Gen.) D. C.
Butler, Jane Randolph (Gen.) La.
Butler, M. Marion (Gen.) D. C.
Buynitzky, Katherine Cooper (Gen.) D. C.
*Byers, Jean Campbell (Gen.) D. C.
Cage, Emma Hortense (Gen.) D. C.
*Caldwell, Bruce (Gen.) D. C.
Callander, John Delmes (Gen.) D. C.
Canine, Nelle Galey (Gen.) Ind.
Caravella, Joseph Arthur (Pre-Med.) N. Y.
Carey, Edward Albert (Gen.) D. C.
*Carman, Esther (Gen.) Colo.

Carpenter, Ethel Nora (Gen.) Ga.
†Carr, Edna Ruth (Gen.) D. C.
Carr, Roland Taylor (Gen.) D. C.
*Carte, Anna (Pre-Legal) D. C.
*Carter, Christine Amelia (Gen.) Ark.
Carter, Marion Eugenia (Gen.) Va.
Caskey, William Preston (Gen.) Md.
Castell, Richard B. (Pre-Med.) D. C.
Cates, R. Elizabeth (Gen.) Va.
†Caukin, Christine (Gen.) Calif.
Cayton, Howard (Gen.) D. C.
Chaconas, Peter G. (Pre-Med.) D. C.
*Chadwick, John Edgar (Pre-Legal) D. C.
Chaffetz, Maxwell (Pre-Legal) Mass.
Chamblin, Margaret (Gen.) Va.
Charnley, Dorothy Anne (Gen.) D. C.
Chase, Norman Oliver (Gen.) D. C.
Cherner, Anne Reikes (Gen.) D. C.
Chernikoff, Ida (Gen.) D. C.
Cherry, Mary Yolanda (Gen.) D. C.
Cheseldine, James Corbin (Pre-Legal) D. C.
Cheyney, Frances Leonell (Gen.) Va.
Childs, Nell Monroe (Gen.) D. C.
*Chipman, Elizabeth Louise (Gen.) D. C.
Chipman, Katherine Phyla (Gen.) D. C.
†Chittick, Howard Allan (Gen.) Minn.
Christie, John Milton (Gen.) Md.
†Churchill, Edna Mae (Gen.) Mass.
Claborn, Houston Vernon (Gen.) Ark.
Clapham, Isabel Gordon (Gen.) D. C.
Clark, Delbert Edwin (Gen.) D. C.
Clarke, Mary Catherine (Gen.) D. C.
Claxton, Margaret Virginia (Gen.) Md.
Clemmer, Myrtle M. (Gen.) Pa.
*Cline, John Henry (Gen.) Va.
Clum, John Philip (Gen.) Md.
Cobbe, Jerome Francis (Pre-Legal) N. Y.
*Cockrill, William Rusel (Gen.) Va.
Cohen, Abe (Pre-Med.) D. C.
Cohen, Louis Charles (Gen.) D. C.
Cohen, Milton Joseph (Pre-Med.) D. C.
*Colby, Sadie Pamelia (Gen.) D. C.
*Colfer, Drury Richard (Gen.) D. C.
Collier, Pearl (Gen.) Md.
Collier, Raymond Jones (Gen.) D. C.
Collins, Elise Jackson (Gen.) D. C.
*Collis, Carol Myrtle (Gen.) D. C.
Colver, Polly Anne (Gen.) D. C.
*Comer, Virginia Margaret (Gen.) D. C.
†Conlyn, Margaret (Pre-Legal) D. C.
Connally, George E. (Pre-Legal) N. Y.
*Connelly, Mary M. (Gen.) D. C.
Connelly, Ruth Alicia (Pre-Legal) N. Y.
Connor, Reynold Edward (Gen.) D. C.
Cook, Frank Cummings (Com.) D. C.
Cook, Iola Belle (Gen.) D. C.
Cook, Margaret (Gen.) D. C.
Cooley, Thelma Louise (Gen.) D. C.
Coombes, David Russell (Gen.) D. C.
†Cooper, Everett Claude (Gen.) D. C.
Copeland, William Allen (Com.) Iowa
Copes, Ethel Mary (Pre-Legal) Md.
Cornwell, Harold Blaine (Gen.) D. C.
*Cosdon, Alma Barry (Gen.) Va.
Cox, Alexander Melville (Pre-Legal) D. C.
Cox, Marion (Gen.) Md.
Craig, Hunter Charles (Gen.) D. C.
Craun, Eleanor Callan (Gen.) D. C.
Craven, Mildred Arline (Gen.) D. C.
*Crawford, Alice Leola (Gen.) Okla.
Crawley, Elizabeth Katheryn (Gen.) D. C.
Crews, Sybil Rowe (Gen.) D. C.
Creyke, Geoffrey (Pre-Legal) D. C.
Croccia, Nina Marie (Gen.) D. C.
†Crofton, Walter T. (Pre-Legal) D. C.
Crosetto, Vena Mary (Gen.) Pa.
Crowley, Margaret Elizabeth (Gen.) Ind.
†Crump, Sue (Gen.) D. C.
*Cullimore, Howard M. (Pre-Med.) Utah
*Cullinan, Alma Catherine (Gen.) D. C.
*Cunico, John (Gen.) D. C.
*Cureton, Virginia Woolridge (Gen.) D. C.
†Dahl, Temple Snelling (Gen.) Va.
Dail, Frank Clifton (Gen.) N. C.
Daly, Agnes Genevieve (Gen.) D. C.
Danelson, Aubrey Clay (Gen.) D. C.
*Daniel, Eleanor Dimitry (Pre-Legal) D. C.
*Daniel, Louise Elizabeth (Gen.) Tenn.
Daniell, Marjorie (Gen.) D. C.
Davey, Grace Elizabeth (Gen.) Pa.
David, Leo (Gen.) D. C.
Davidson, Clara May (Gen.) Md.
David, Thomas M. (Pre-Legal) D. C.
†Davies, Charles K. (Pre-Legal) Md.
†Davis, Edna (Gen.) D. C.
Davis, Henry (Pre-Med.) D. C.
Davis, Jack Clemens (Gen.) D. C.
†Davis, Kenneth Isaiah (Pre-Med.) Va.
*Davis, Sydney Morris (Gen.) D. C.
†Day, Annabelle (Gen.) D. C.
Dean, Howard Lee (Pre-Med.) Va.
†Defontes, Marion Teresa (Gen.) D. C.
Deiss, Edwin Sullivan (Pre-Legal) Idaho
Dembitz, Nanette Matilda (Gen.) D. C.
Dennis, Allan Littleton (Pre-Legal) Va.
DePorry, John Joseph (Gen.) D. C.
Detwiler, Mary Harman (Gen.) Va.
Detwiler, Samuel Bertolet (Gen.) D. C.
Devane, Ruth Elizabeth (Gen.) D. C.
Devine, Charles Vincent (Com.) D. C.
*Deviny, Katherine Elizabeth (Gen.) D. C.
Dewhirst, Howard Homer (Gen.) D. C.
Dibble, Ruth O. (Gen.) D. C.
Dice, Ross Albright (Pre-Med.) D. C.
Dickinson, Lester Coolidge (Gen.) D. C.
Dietz, James Stratton (Pre-Legal) D. C.
†Digges, Alice (Gen.) Tex.
Dobkin, Yetta (Gen.) D. C.
†Doerring, Carroll Johnson (Gen.) D. C.
Dolinsky, Ida (Gen.) D. C.
†Dolinsky, Sara (Gen.) Pa.
*Donnelly, Alice Elizabeth (Gen.) D. C.
Dormer, Mary Catherine (Gen.) D. C.
Downer, Arthur Gilbert (Pre-Legal) D. C.
Drew, Pearle Emeline (Gen.) D. C.
Dreyfuss, David W. (Gen.) Ala.
*Drowns, Allen Crawford (Pre-Legal) Va.
Dryer, Waltern Drakeford (Gen.) D. C.
Duborg, Beulah Grace (Gen.) D. C.
*Duckett, Ivy Louise (Gen.) W. Va.
Duke, Florine Rosalie (Gen.) Ky.
Dumas, Alfred J. (Pre-Legal) D. C.
†Dunn, Irene Elaine (Gen.) D. C.
Durham, Lewis M. (Pre-Legal) D. C.
Durham, Thomas Orton (Gen.) D. C.
Dwight, Harriett Singleton (Gen.) D. C.
Dye, Archie Wellons (Gen.) D. C.
Dyer, Paul Manning (Gen.) D. C.
*Dyer, Robert Walter (Com.) Iowa
Eaton, Clara Margaret (Com.) D. C.
Eckerman, Howard Porter (Gen.) D. C.
†Eckert, Catherine Elizabeth (Gen.) D. C.
*Eckert, Paul Whitney (Gen.) D. C.
Edelin, Nancy Lee (Gen.) D. C.
Edelson, Abraham L. (Pre-Med.) D. C.
Edlowitz, Ellis (Pre-Legal) Va.
Edwards, Lynda Stickles (Gen.)
Eidhammer, Dorothy (Gen.)

Eisenberg, Samuel (Pre-Med.) D. C.
*Eldredge, Jessie Carr (Gen.) D. C.
†Eldridge, Nona M. (Gen.) Nebr.
Elggren, Florence Janice (Gen.) D. C.
Elliott, Ralph Aubrey (Gen.) D. C.
Elliott, Robert W. (Pre-Legal) D. C.
Ellis, Virginia M. C. (Gen.) D. C.
Emanuel, Victor Maurice (Pre-Legal) D. C.
English, Merton Alden (Pre-Med.) D. C.
†Entwisle, Theodore Stanley (Gen.) D. C.
Ernest, Alice LeeElla (Gen.) Va.
Ermerins, Anna Marie (Pre-Legal) D. C.
Esch, Janet Dorothy (Gen.) D. C.
Evans, Charles Dailey (Pre-Legal) Va.
Evans, Margaret Elizabeth (Gen.) D. C.
Ewin, Neva Elizabeth (Gen.) D. C.
*Fairall, James Ellsworth (Gen.) Md.
Farrell, Katherine Louise (Gen.) D. C.
†Farrell, Mary Catherine (Gen.) Md.
Feldman, Samuel David (Pre-Med.) N. Y.
Feldser, A. Vernon (Pre-Med.) D. C.
Felton, Euzelia Jennett (Gen.) D. C.
Fenn, Lillian Keithen (Com.) D. C.
Ferguson, Edward Egner (Pre-Med.) D. C.
*†Ferguson, Robert Clark (Com.) N. Y.
Ferguson, Sarah Norwood (Gen.) D. C.
Ferguson, Thomas (Com.) Md.
Ferry, Charles Edmund (Pre-Legal) D. C.
†Fiddesop, Harry E. (Pre-Med.) D. C.
Fine, Irvin (Pre-Med.) N. J.
Finegan, Paul Vincent (Pre-Med.) D. C.
Fineran, Ellen Margaret (Gen.) D. C.
Finkelstein, Vivian Rebecca (Gen.) D. C.
Finlayson, Edward A. (Pre-Med.) D. C.
Fishman, William (Pre-Med.) D. C.
Fitzgerald, Mary Emmett (Gen.) D. C.
Follin, Eolene Virginia (Gen.) D. C.
Folsom, Frances Barbara (Gen.) Wash.
*Ford, Catherine (Gen.) D. C.
†Ford, Hubert B. (Gen.) Mo.
Foss, Marion Lucille (Gen.) D. C.
Fowler, Alden Simon (Pre-Legal) Conn.
*Fowler, Bertha Celestine (Gen.) Md.
Fowler, Bruce Marsh (Com.) D. C.
Fowler, Harriett M. A. (Gen.) Pa.
*†Fox, David George (Pre-Med.) D. C.
France, Floyd L. (Gen.) Nebr.
*Francis, Garnet Paul (Gen.) Va.
Frank, David Sol (Pre-Med.) D. C.
Franklin, Alice Barrow (Gen.) D. C.
Free, Geraldine Floy (Pre-Legal) D. C.
Freehof, Julios (Gen.) D. C.
Freeman, Mildred (Gen.) D. C.
French, Ward Monroe (Com.) D. C.
Freyman, Thelma Marguerite (Gen.) D. C.
Friede, Pearl Robinson (Gen.) D. C.
DeLaFuente, Jose Guzman (Com.) P. I.
Fulford, James Douglas (Gen.) Md.
Fuller, Robert Waight (Gen.) D. C.
Fulmer, John David (Gen.) D. C.
†Fuqua, James Thomas (Gen.) Ark.
Futterer, Susan Ottilia (Gen.) Md.
Gabbard, Hazel (Gen.) Kans.
Gaberman, Harry (Pre-Legal) D. C.
Gaghan, Ruth Pauline (Gen.) D. C.
Galbraith, Eva M. (Gen.) D. C.
Galer, Charles Leroy (Gen.) D. C.
*Gallagher, William J. (Pre-Legal) D. C.
Gallardo, Jose Arturo (Pre-Med.) P. R.
*Garber, George Rozell (Com.) S. D.
Garcia, Luis (Pre-Med.) P. R.
Gates, Harold Douglas (Gen.) Md.
Gates, R. Elizabeth (Gen.) Va.
Gates, Robert McConnell (Pre-Legal) Iowa
Gatto, Prudence Marcella (Gen.) D. C.
†Geib, Frank Ellsworth (Gen.) D. C.
Gelpi, William Peter (Pre-Med.) D. C.
Gentzel, Harry Caal (Pre-Legal) Pa.
†Gerber, Louis (Pre-Med.) D. C.
*Gersten, Sally Ray (Gen.) D. C.
Gerstin, Stanley (Gen.) D. C.
†Gibson, Berenice Eleanore (Gen.) Ill.
*Gibson, George Mack (Pre-Legal) D. C.
†Gibson, James C. (Gen.) Okla.
Gilbert, Anne W. (Gen.) Md.
Gill, Alexandria Daniel (Com.) Md.
*Gillespie, Frank Smith (Pre-Legal) Ill.
Ginberg, Joseph (Gen.) D. C.
*Gislason, Arlon B. (Pre-Med.) Minn.
Glaubach, Nathan (Pre-Med.) D. C.
Goldberg, Philip (Gen.) D. C.
Goldberger, Joseph H. (Pre-Med.) D. C.
Golden, Rose Glueck (Pre-Med.) Wis.
Goldin, Arthur Joseph (Pre-Med.) N. Y.
*Goldman, Lena (Gen.) Va.
*Goldstein, Harry Saul (Gen.) Va.
Golze, Beatrice Wenderoth (Gen.) D. C.
Gooch, Esther Conneal (Gen.) D. C.
Goodall, Frances Leigh (Gen.) Va.
*Goodwin, Lois Virginia (Gen.) Va.
Gormly, Eva May (Gen.) Iowa
Gouldin, James Daniel (Pre-Med.) D. C.
Gover, Gerard Hopkins (Com.) D. C.
*Graff, Catherine Lucille (Gen.) D. C.
Graham, Robert (Pre-Legal) D. C.
*Gravatte, Dorothy Eloise (Gen.) D. C.
Gray, Kathryn Gladys (Gen.) D. C.
†Gray, Ruth Augusta (Gen.) D. C.
Greenberg, Hilda Rebecca (Gen.) D. C.
Greenberg, Milton M. (Pre-Med.) D. C.
†Greenberg, Samuel (Pre-Med.) N. Y.
Grefvin, Eleanor Linnea (Gen.) Mich.
Greifinger, William (Gen.) N. J.
Griffith, Gilbert Raymond (Gen.) D. C.
Griggs, David Tressel (Gen.) Md.
Grigsby, Mary Ernestine (Gen.) Md.
*Gross, Leroy Coates (Pre-Med.) N. J.
Gruberman, Isidor Edward (Gen.) N. Y.
Gumenick, Edna (Gen.) D. C.
Gumpf, Ralph Emile (Gen.) D. C.
Gurley, Revere Babcock (Gen.) D. C.
Guy, Irene (Gen.) D. C.
*Haddox, Horace Bolivar (Gen.) Md.
*Haden, Dorothy (Gen.) D. C.
*Hahn, Luther Frederick (Pre-Legal) Md.
Haines, Hilton D. (Pre-Med.) D. C.
Haislip, Dorothy Todd (Gen.) Md.
Hale, Frances Emily (Gen.) Vt.
†Hale, Helen C. (Gen.) D. C.
*Haley, Terese Veronica (Gen.) N. Y.
Hall, Edward Madison (Gen.) D. C.
Hall, Robert E. L. (Pre-Legal) D. C.
*Hall, Theodore Edward (Pre-Legal) D. C.
Hamill, Frances Virginia (Gen.) D. C.
Hamm, Nora (Gen.) D. C.
Hammond, Otho Warner (Pre-Legal) D. C.
†Hammond, Ruth (Gen.) Nebr.
Hanagan, Winifred E. (Gen.) Pa.
Hanback, William Brecht (Pre-Legal) D. C.
Hancock, Frances Fowler (Gen.) D. C.
Hand, Frances (Gen.) D. C.
*Hanes, Hilda Reynolds (Gen.) D. C.
Haney, Paul Edmond (Com.) D. C.
Harkness, William Dalzell (Gen.) Va.
Harper, Roger Elliott (Pre-Legal) Pa.
Harrill, Delbert Justice (Gen.) D. C.
Harriman, Mary Angelia (Gen.) D. C.
†Harris, Christopher Cleo (Gen.) D. C.

Harris, Thomas Hilliard (Pre-Legal) Md.
Harris, Virginia Laurel (Gen.) Tenn.
*Harris, Vivian Vanyla (Gen.) D. C.
†Hartman, Clarence R. (Pre-Med.) Va.
Haves, Hilda Gertrude (Gen.) D. C.
Hayden, Virginia Ann (Gen.) D. C.
Healy, James Francis (Gen.) Conn.
Heffelfinger, Adaline Ida (Gen.) N. Y.
*Heider, Louise Marie (Gen.) Md.
*Heiner, Mary Tyler (Gen.) Va.
Henderson, Fletcher O. (Pre-Legal) Md.
Henricksen, Harold L. (Pre-Legal) Fla.
Henry, Helen Caldwell (Gen.) D. C.
Henry, Howard Robert (Gen.) D. C.
Henry, Mary Margaret (Gen.) D. C.
Heron, Julian Briscoe (Pre-Legal) D. C.
Herrold, Gernett Calvin (Pre-Legal) Pa.
Heyser, Marion Tice (Gen.) D. C.
†Higgins, Eugene Witter (Gen.) D. C.
Hiley, Julia Martha (Gen.) D. C.
Hiley, Walter Marion (Gen.) D. C.
†Hinds, Alfred Boyd (Com.) D. C.
Hinman, Sarah Elizabeth (Gen.) D. C.
Hobbs, Joseph Brady (Gen.) N. C.
*Hockensmith, George L. (Gen.) D. C.
*Hodges, Martha Opie (Gen.) D. C.
Hodson, Robert Edward (Com.) Mich.
Hoffman, Dorothy Anita (Gen.) D. C.
Hoffman, Josephine Janet (Gen.) D. C.
Hoffman, Lillian Josephine (Gen.) D. C.
Hoffman, Robert E. (Gen.) D. C.
Holliday, James Thomas (Com.) Ill.
*Hollingsworth, Coral M. (Gen.) Mo.
Holman, William (Pre-Legal) Pa.
Hoover, Margaret (Pre-Legal) D. C.
Hoover, William Mitchell (Pre-Med.) D. C.
Horne, Ida Battle (Gen.) N. J.
Horton, Mary Angel (Gen.) Va.
†Howard, Joseph Cassin (Gen.) D. C.
Howard, Robert Clifton (Gen.) Va.
Howser, George Francis (Gen.) Md.
†Hubbel, Carter Carol (Gen.) Wis.
Hudson, Raymond M. (Pre-Legal) D. C.
Hughes, Viola Pugh (Gen.) Md.
Hull, Ralph Moody (Gen.) W. Va.
*Humphreys, Bessie (Gen.) D. C.
†Humphries, Howard Franklin (Gen.) Md.
Humphries, Louise W. (Gen.) D. C.
Hunter, Amy Belle (Gen.) D. C.
Hunter, Richard S. (Gen.) Va.
Hurd, Clarence Judson (Gen.) D. C.
Hurd, Grace Elizabeth (Gen.) D. C.
Hutchinson, John M. (Pre-Legal) P. R.
Hutson, John Henry (Gen.) D. C.
Hyatt, Janice Pearle (Gen.) Md.
Ihle, Dora Vancleave (Gen.) Colo.
*Ingalls, Norman Lee (Pre-Legal) Md.
Ingram, Mabel Frances (Gen.) D. C.
†Iverson, Ethel Jean (Gen.) D. C.
Jackson, Carolyne Fay (Gen.) Md.
Jackson, Thomas Searing (Gen.) D. C.
Jackson, Virginia (Gen.) D. C.
Jacobs, Esther (Gen.) Conn.
Jacobs, Eva Louise (Gen.) D. C.
Jacobs, Florence Lillian (Gen.) N. Y.
Jacobsen, Claire Frances (Gen.) D. C.
James, Irene Dwyer (Gen.) Va.
*Janes, Dorothy Lee (Gen.) D. C.
Jarvis, George Young (Gen.) Calif.
Jeffery, Clara Belle (Gen.) Ill.
Jenson, Leonard David (Pre-Legal) Utah
Jeweler, Max Louis (Pre-Med.) D. C.
*Johns, Henry Matthews (Gen.) D. C.
Johnson, Emera P. (Gen.) Md.
*Johnson, Esther Harriet (Com.) D. C.
Johnson, Frances Ashlin (Gen.) D. C.
*Johnson, Kathryn Blanche (Gen.) Tex.
Johnson, Mary Louise (Gen.) D. C.
Jones, Richard Wayland (Pre-Med.) Ohio
†Jones, Rollin Delos (Gen.) Va.
Joseph, Mae Elizabeth (Gen.) Ohio
Josselson, Ida Janice (Gen.) Me.
Julihn, Elizabeth Louise (Gen.) D. C.
*Jump, Clifton Raymond (Gen.) Md.
Kahn, Frances Morris (Gen.) D. C.
Kanof, Naomi Marilyn (Pre-Med.) N. Y.
Kardell, Carrie H. (Com.) D. C.
Kardell, Jean Maryann (Gen.) D. C.
*Katz, Max (Pre-Med.) N. Y.
*Katzman, Joseph G. (Pre-Legal) D. C.
Kaubler, Ella Henrietta (Gen.) D. C.
Kauffman, Bertha (Gen.) D. C.
Kauffman, Frederick Elon (Pre-Legal) Va.
†Kauffman, Henry Julian (Gen.) D. C.
*Keeler, Chester Irving (Gen.) Md.
Keener, John Rankin (Com.) D. C.
Kehoe, Elizabeth Agnes (Gen.) D. C.
Keister, Ralph (Pre-Med.) D. C.
Kelser, Eveline Harriet (Gen.) D. C.
Kempt, Mary Josephine (Gen.) D. C.
Kendrick, Caldwell C. (Gen.) Va.
Kennedy, George Boutelle (Gen.) D. C.
Kent, Ann Patrick (Pre-Med.) D. C.
Keren, Louis (Pre-Med.) D. C.
*Kerlin, Gerald Thomas (Pre-Legal) Iowa
*Kidder, Arthur R. (Pre-Med.) Md.
Kidwell, Gertrude Vivian (Gen.) Va.
Kieferle, Alice Kennedy (Gen.) D. C.
Kielly, Zona Mae (Gen.) Wis.
King, Margaret Lumpkin (Gen.) Va.
King, Milford F. (Gen.) W. Va.
†King, Raymond (Gen.) D. C.
†Kingsbury, Clara Slocum (Gen.) D. C.
Kinsey, Louise Hamilton (Gen.) D. C.
Kirby, Lloyd (Gen.) Tex.
Kirk, Katherine Mary (Gen.) Ill.
†Kirsch, Theodore (Pre-Med.) D. C.
Kline, Adelaide Stiles (Com.) N. Y.
Knapp, James Webb (Gen.) Md.
Knarr, Aurel J. (Gen.) Ind.
Knecttle, Velma Electra (Gen.) D. C.
†Knode, Helen Edson (Gen.) D. C.
Knox, Josephine Hamilton (Gen.) D. C.
Krafft, Grace Lee (Gen.) Va.
Krafft, Helen Augusta (Gen.) Wis.
Kreutzer, Helene Angeline (Gen.) Iowa
Kringel, Paul Foote (Pre-Legal N. Y.
*Kristal, Jack John (Pre-Med.) D. C.
†Kronheimer, Harry H. (Pre-Med.) D. C.
Kronheimer, Phyllis Miriam (Gen.) D. C.
Krupsaw, David (Pre-Legal) D. C.
Kubel, Margaret H. (Gen.) D. C.
Kueck, Paul Daniel (Pre-Med.) D. C.
Kuffner, Elizabeth Yahl (Pre-Med.) Pa.
†Kunkle, Jessie S. (Gen.) D. C.
†Kyle, Mary Louise (Gen.) Md.
LaBaie, Adele Marie (Gen.) D. C.
Laizure, Mary Elizabeth (Gen.) R. I.
Lake, Alton Luther (Gen.) D. C.
Lamborn, Charles Francis (Gen.) P. I.
Lamoste, Angel Cementiza (Gen.) Va.
Lannon, John Anthony (Gen.) Minn.
*Lano, Minnie Adelina (Gen.) Ill.
Large, Myrtle I. (Gen.) D. C.
Lathrop, John Bouse (Gen.) D. C.
*Laudick, Ruth Elizabeth (Gen.) D. C.
Lavine, Bessie Rosaline (Gen.) D. C.
*Leckie Jean McLellan (Gen.)

Lee, Donald Edward (Pre-Legal) Wis.
Lee, Martha Ellen (Gen.) D. C.
LeMar, George D. (Gen.) Nebr.
Lemon, Lorretta (Gen.) D. C.
Leonard, Irene (Gen.) D. C.
Levertin, J. Franklin (Pre-Med.) D. C.
Levin, Samuel Jacob (Gen.) D. C.
Levitin, Benjamin (Pre-Legal) D. C.
Lewis, Dorothea Jefferson (Gen.) D. C.
Lewis, Hunter Meriwether (Gen.) Va.
†Lewis, Louise Craigon (Gen.) D. C.
Lidy, Anna Elizabeth (Gen.) Pa.
Ligon, David Stovall (Pre-Legal) Va.
*Lincoln, Lawrence Joseph (Gen.) Mich.
†Lindenschmidt, Henry John (Gen.) Ind.
†Lindquist, Norman Eugene (Gen.) Mo.
Lineborger, Paul Myron (Pre-Legal) D. C.
Link, Dennis Clemence (Pre-Legal) D. C.
Lipscomb, Mary Elizabeth (Gen.) Ala.
Lipsett, Edward Lewis (Pre-Legal) Conn.
Lisenby, Edward (Pre-Med.) D. C.
Livingston, Bernard A. (Pre-Legal) D. C.
*Lockwood, Florence (Gen.) D. C.
Loeb, Joseph (Pre-Med.) Va.
Loman, Martha Eleanor (Pre-Legal) Md.
Lombard, Mabel Claire (Gen.) D. C.
*Long, Margaret Rebecca (Gen.) D. C.
Lore, Elinor Elizabeth (Gen.) D. C.
Lowell, Elisabeth Buttner (Gen.) D. C.
Lowrey, Perrin Holmes (Gen.) Miss.
†Lozupone, Celeste (Gen.) Md.
Lucas, Carie Tracey (Gen.) Va.
Lucas, Lillian LaMarr (Gen.) D. C.
Luce, Elizabeth Scott (Gen.) Ark.
Luginbuhl, Kathryn Louise (Gen.) D. C.
*Lundell, Dorothy (Gen.) D. C.
*Luongo, Rose Marie (Gen.) D. C.
Lutz, Mildred Maddox (Gen.) D. C.
Lynch, Daniel Francis (Gen.) D. C.
*Lynch, Gladys Mona (Gen.) D. C.
*Lynn, Margaret Jane (Gen.) D. C.
Lytle, Margery Almira (Gen.) Pa.
McAdams, Martha Dennen (Gen.) D. C.
McBride, Alline Virginia (Gen.) D. C.
*McCain, Asa Madison (Pre-Legal) Ark.
McCall, John D. (Gen.) Mont.
McCallum, Katherine E. (Gen.) D. C.
*McCallum, Sarah Isabelle (Gen.) Md.
McCammon, James W. (Gen.) Tex.
*McCann, Richard Paul (Gen.) D. C.
McCoy, Edith (Gen.) D. C.
†McCrary, Arthur John (Pre-Med.) Iowa
*McDermott, Richard Devol (Gen.) D. C.
*McFarlain, Alexander Caughey (Gen.) La.
McGinnis, Grace G. (Gen.) D. C.
*McGraw, Lucy Virginia (Gen.) Md.
McGregor, Malcolm Parker (Com.) La.
McGrew, Steele (Pre-Legal) Tenn.
McMillan, Hugh Charles (Com.) Mich.
McMullen, Francis Bruce (Pre-Legal) Md.
McNamara, Francis J. (Pre-Legal) Pa.
McNeil, Harold Osman (Gen.) D. C.
McNitt, Vivian Fisher (Gen.) D. C.
McOscar, Paul Joseph (Gen.) Ohio
McPeak, William Wallace (Com.) Tenn.
†McQueany, Katherine Ellen (Gen.) D. C.
McReynolds, Harry Dodge (Com.) D. C.
†McWhorter, George T. (Pre-Legal) D. C.
†McWhorter, Marie Lois (Gen.) Ala.
*McWilliams, Elizabeth F. (Gen.) D. C.
MacDonald, Katharine H. (Gen.) Mont.
*Macdonald, Lloyd Amos (Pre-Legal) Ky.
†MacDonald, Ronald (Gen.) Va.
*MacFall, Barbara Beckman (Gen.) Md.
*MacFate, Helen Beatrice (Gen.) D. C.
Mackey, Minnie May (Gen.) Mich.
MacKnight, Harold Egbert (Gen.) N. Y.
*Mader, Lawrence Joseph (Gen.) D. C.
†Maghan, Laurence Edmond (Gen.) Minn.
Malloch, George Graham (Gen.) Va.
*Malmberg, Cyrus George (Gen.) Md.
Mamaril, Mateo L. (Gen.) D. C.
Manning, Helen Louise (Gen.) D. C.
Marano, Frank Peter (Gen.) N. J.
Mark, Benjamin Ralph (Gen.) D. C.
Marks, Alfred Henry (Gen.) D. C.
†Marshall, Mary Clarke (Gen.) Va.
Martin, Carl James (Pre-Legal) D. C.
Martin, Eugene Maurice (Pre-Med.) D. C.
Martin, Grace W. (Gen.) D. C.
Martin, Martha Frances (Pre-Legal) D. C.
Martin, M. Lucile (Gen.) Ill.
Mason, John Thomas (Gen.) Ill.
Masterton, Herbert A. (Gen.) D. C.
*Mathers, Ellen Margaret (Gen.) Pa.
Matthew, Ernest Randall (Gen.) Iowa
*Maxwell, Robert Calvert (Gen.) D. C.
†May, Joseph Herbert (Pre-Legal) Idaho
May, Margaret Kathryn (Gen.) D. C.
†May, Wilbert Richard (Gen.) N. J.
May, William Pickford (Pre-Med.) D. C.
†Mays, Margaret (Gen.) D. C.
†Meade, Everard Wilson (Gen.) D. C.
Meagher, Katherine Cecilia (Gen.) D. C.
*Meininger, Paul (Gen.) D. C.
Meredith, Wilma Lee (Gen.) Ark.
Merrick, Della E. (Gen.) N. Y.
†Merrill, Alwyn Lowe (Com.) Idaho
Merritt, Fannie Fern (Gen.) Me.
Middleton, Frank Henry (Gen.) Minn.
Milano, Fred Angelo (Pre-Legal) D. C.
Miller, Beatrice B. (Gen.) D. C.
Miller, Charles Wayne (Gen.) Va.
Miller, Howard Chappell (Gen.) N. J.
Miller, Lloyd Otto (Pre-Legal) D. C.
Miller, Oarlo August (Gen.) D. C.
Miller, Robert Mitchell (Gen.) D. C.
*Millholland, Fanny West (Gen.) Va.
*Miltner, Margaret Martin (Gen.) D. C.
Minor, Aubrey Taylor (Pre-Legal) Ind.
Mitchell, James P. (Pre-Legal) D. C.
*Mitchell, Marshal Corda (Gen.) Ohio
Mitchener, Janie Arscott (Gen.) D. C.
*Mobley, Hortense Lucius (Gen.) Ala.
†Mohagen, Verna Clarice (Gen.) D. C.
*Moler, Nina Elizabeth (Gen.) D. C.
†Monk, Virginia Pendleton (Gen.) D. C.
Moomaw, Grace Norris (Gen.) Md.
*Mooney, Brian Gaut (Gen.) D. C.
Mooney, Eire A. (Gen.) D. C.
†Mooney, Winston Clark (Gen.) Md.
Moore, Gladys Content (Gen.) Iowa
Moore, Margaret Thomas (Gen.) Va.
*Moore, Mary Letha (Gen.) D. C.
*Moore, Sara Elizabeth (Gen.) D. C.
Moore, S. Edwin (Gen.) D. C.
*Moore, Virginia Lee (Gen.) Va.
Morgali, M. Ralph (Pre-Legal) Nev.
Morgan, Norman Dale (Gen.) D. C.
Morgan, Prentice Gloss (Gen.) N. Y.
*Morlan, Lawrence Louis (Com.) Md.
Morris, Corella Stiles (Gen.) D. C.
Morris, Laura Belle (Com.) Ark.
Moses, Arthur McKnight (Gen.) D. C.
*Motyka, Joseph George (Pre-Legal) Ill.
Much, Joseph (Gen.) D. C.
Munroe, Emma Louise (Gen.) Md.
*Munson, Reginald B. (Pre-Legal) Va.

Murphy, Leslie Eugene (Gen.) Kans.
†*Murphy, Mariot Hudd (Pre-Legal) N. M.
Myers, Edward Stephen (Pre-Legal) D. C.
Myers, Gertrude (Gen.) D. C.
Neff, J. Geary (Gen.) Mo.
Nelligan, James Alfred (Pre-Legal) Fla.
Nelson, Esther (Gen.) Minn.
Nelson, Garland Haislip (Gen.) N. C.
Nelson, Lola Margaret (Gen.) D. C.
Nesbit, Mary Katherine (Pre-Med.) Kans.
Nesbitt, John Bernard (Pre-Legal) D. C.
*Newell, Harold D. (Gen.) Iowa
Newman, Jewel Ernestine (Gen.) Md.
Nichols, Lawrence A. (Com.) D. C.
†Nichols, Margaret Emily (Gen.) Md.
Nickerson, Dorothy (Gen.) Md.
Nickle, Vivian Edna (Gen.) Canada
Nickles, Ruth Marcella (Gen.) D. C.
Nordby, Harriet Cecelia (Pre-Legal) Minn.
Norris, Edith Craigen (Gen.) D. C.
*Nowell, Willis Elbert (Gen.) D. C.
Nugent, Ann V. (Gen.) Va.
Nugent, Cornelia Agatha (Gen.) Va.
Nyman, Stephen Hopkins (Com.) D. C.
Obear, William Gray (Gen.) D. C.
†Oberholtzer, Alton Victor (Gen.) Md.
O'Brien, Agnes Genevieve (Gen.) Pa.
*O'Brien, George John (Pre-Legal) N. Y.
O'Brien, Thomas Doran (Gen.) D. C.
*O'Connor, Roderick B. (Pre-Med.) D. C.
O'Hare, Herbert (Gen.) N. D.
Ohr, Bertha McKay (Gen.) D. C.
†O'Neill, John Behrns (Com.) D. C.
Opack, Naomi (Gen.) D. C.
Opsahl, Harold E. (Pre-Med.) Minn.
†Ormsby, Floyd Lansing (Com.) D. C.
Orrick, Nannie Abbot (Gen.) D. C.
Ossen, Jay Jack (Pre-Legal) Conn.
*Osterman, John Gilbert (Gen.) D. C.
†Owen, Mary Eleanor (Gen.) D. C.
Padgett, Evelyn Margaret (Gen.) D. C.
Page, Georgia Edith (Gen.) Mich.
Page, Jane (Gen.) Md.
†Painter, Merle Mozelle (Gen.) D. C.
Paisley, Jack Newton (Pre-Med.) Kans.
Paregol, Goldie S. (Gen.) D. C.
Paris, Ena Beth (Gen.) Colo.
*Parke, Edward LeRoy (Gen.) D. C.
†Parker, Louise Lydia (Gen.) D. C.
Parker, Mary Helen (Gen.) Md.
*Parker, Ruth Ann (Gen.) D. C.
Parker, Ward Follett (Gen.) D. C.
Patterson, Mary Idelia (Gen.) D. C.
Pattie, Katherine Lynn (Gen.) Va.
Paugh, Dorothy Alice (Gen.) D. C.
Pavlovsky, Edward Eli (Gen.) N. J.
†Payne, Potter Parke (Gen.) Va.
Pearce, Esther (Gen.) D. C.
Pearson, Olga Agnetta (Gen.) D. C.
Pegram, Ann Holt (Gen.) D. C.
Pelton, Excellyn Edna (Gen.) D. C.
†Pennington, Dorothy Ann (Gen.) D. C.
Perley, Alberta (Gen.) D. C.
Permut, Jack (Pre-Legal) D. C.
Peters, Lillian Anne (Gen.) D. C.
†Peters, Rosa L. (Gen.) La.
*Petrey, Harry August (Pre-Legal) Ky.
*Pettit, David Nathan (Pre-Med.) D. C.
*Phelan, Muriel Catherine (Gen.) Va.
Phillips, Dorothy Ethel (Gen.) D. C.
†Phillips, Florence Elizabeth (Gen.) Va.
†Pierce, Ralph (Pre-Legal) Va.
†Pinkham, Marion (Gen.) Md.
Polkowitz, Morton Leo (Pre-Legal) N. J.
Pollard, Lillie Howard (Gen.) D. C.
†Pollock, Blanche S. (Gen.) Mass.
Porotto, Fortunato (Gen.) Italy
Porter, George A. (Com.) D. C.
*Powell, Mary Elizabeth (Gen.) W. Va.
Pressler, Mildred (Gen.) D. C.
Preston, Phoebe Darlington (Gen.) Md.
Price, Gladys Josephine (Gen.) D. C.
Price, Warren (Pre-Legal) D. C.
Primm, Margaret Jeannette (Gen.) D. C.
†Probey, Joseph William (Gen.) D. C.
Protas, Harry (Pre-Med.) D. C.
*Putz, Claire E. (Gen.) Iowa
Pyles, William Thomas (Pre-Med.) D. C.
Quarles, John Dana (Gen.) D. C.
†Quill, Margaret M. (Gen.) D. C.
*Radley, Gladys Wilhelmina (Gen.) Okla.
†Rafael, Tibot E. (Gen.) Pa.
Ragan, Joseph B. (Gen.) D. C.
Rains, Marion Lee (Com.) Okla.
Rainwater, Alice Pearl (Gen.) Mo.
Ramsburgh, John Stephen (Com.) D. C.
Ramsey, Ralph Edison (Com.) D. C.
Randall, Ida Virginia (Gen.) D. C.
Ransdell, Ida May (Gen.) Ind.
Rask, Henry G. (Gen.) D. C.
Ratcliffe, Ella B. (Gen.) D. C.
Rawlings, Mary Louise (Gen.) D. C.
Reed, Rosalie Sanderlin (Gen.) Va.
Rees, Elizabeth Ann (Gen.) D. C.
Reeside, Robert Hughes (Gen.) D. C.
†Reever, Beulah Naomi (Gen.) D. C.
Reeves, Elizabeth Amelia (Com.) D. C.
Reeves, George William (Pre-Med.) N. Y.
†Reich, Arnold (Gen.) Md.
*Reinohl, Richard Francis (Gen.) D. C.
Remon, Ruth Anne (Gen.) D. C.
Reynolds, George E. S. (Pre-Legal) D. C.
*Rhoade, Max (Gen.) D. C.
Rhodes, Thomas Brown (Com.) Md.
Rice, Bennie Nelson (Gen.) D. C.
Rice, Edwin Tupper (Gen.) La.
Richard, D'Albert Joseph (Pre-Med.) D. C.
*Richards, Elizabeth (Gen.) D. C.
Richards, James Walsh (Gen.) D. C.
*Richards, William Noble (Pre-Med.) D. C.
Richardson, Florence G. (Gen.) D. C.
Richardson, Howard Barrett (Gen.) D. C.
*Richter, Ruth Annette (Gen.) D. C.
Richwine, Barton W. (Pre-Med.) D. C.
Riddick, Ruth Elda (Gen.) D. C.
*Rinehart, Ted A. (Gen.) D. C.
Rippey, Aaron Stanton (Gen.) Conn.
Riscassi, Leo Joseph (Gen.) D. C.
Rissler, Harriette Morton (Gen.) D. C.
Rittenhouse, E. Beverly (Gen.) D. C.
Rittenour, Marion Russell (Gen.) D. C.
Ritz, Coralie Barbara (Gen.) P. R.
Rivera, Julio Nazario (Pre-Med.) N. C.
Roan, Preston Johnson (Gen.) D. C.
Robb, David Arthur (Gen.) N. J.
Robbins, Anna V. (Gen.) D. C.
Robbins, Eliza (Gen.) D. C.
Roberts, George Brady (Pre-Legal) D. C.
†Roberts, Marian Kent (Gen.) Utah
Roberts, Ralph S. (Pre-Legal) Md.
Robertson, John William (Gen.) D. C.
*Robertson, Wilbert Joseph (Com.) D. C.
*Robey, Lucille Caroline (Gen.) D. C.
Robinson, Ruby C. (Gen.) D. C.
Rock, Dorothy Virginia (Gen.) Md.
Roddy, Ethel (Gen.) Pa.
*Rodgers, Calvin Garfield (Pre-Med.)
Rogers, William Oliver (Gen.)

Rollins, Richard Adam (Gen.) Va.
Romhilt, Arthur Carl (Gen.) D. C.
Ronning, Henry Leigh (Gen.) D. C.
*Rose, Horace Delaney (Pre-Med.) Md.
*Rosen, Benjamin (Gen.) N. Y.
Rosenfeld, Lillian Gertrude (Gen.) D. C.
Rosett, Mae (Gen.) D. C.
Rouse, Claude F. (Com.) D. C.
†Rowdybush, Jessie (Gen.) Md.
Rowell, Norman Stanley (Gen.) N. Y.
*Royer, John Henry (Gen.) D. C.
Rucker, Elmer Parks (Gen.) Va.
Ruff, Hazel Olive (Gen.) Va.
Rulien, Thelma Masinia (Gen.) Md.
*Ruppert, John Francis (Gen.) D. C.
Sabarian, Louise Florentine (Gen.) La.
Sale, Cecile Moffett (Gen.) D. C.
†Salomon, Paul Henry (Pre-Legal) Mo.
Salus, Jeannette Miriam (Gen.) D. C.
*Sanders, Ethlyn (Gen.) D. C.
Sanner, James R. (Gen.) Pa.
Sargent, Clyde B. (Com.) D. C.
Saunders, Dorothy A. (Gen.) D. C.
Saunders, James Whiting (Gen.) Va.
†Savage, Robert Duval (Gen.) Va.
Savage, Rose M. (Gen.) Pa.
†Schafer, Marie Hatzel (Gen.) D. C.
Schaffert, John Leonard (Pre-Legal) D. C.
Schaub, Pauline Louise (Gen.) Va.
Schenken, Carlton G. (Gen.) D. C.
Schermerhoen, Vincent Astor (Gen.) Va.
†Schlag, Mary Lauretta (Gen.) D C.
Schlenker, Alvin Carl (Gen.) N. D.
†Schloss, Toba Claire (Gen.) D. C.
Schmidt, George Charles (Pre-Legal) D. C.
†Schneider, Mary Luella (Gen.) Iowa
Schoenborn, Mildred Anne (Gen.) Md.
Schoonmaker, John B. (Pre-Legal) D.C.
Schreiner, Oswald (Gen.) Md.
*Schriver, Joseph A. (Pre-Legal) D. C.
Schuele, Helena Alatha (Gen.) Mo.
*Schurman, Julia (Gen.) D. C.
Schurman, Ruth (Gen.) D C.
†Schwartz, Sylvan (Pre-Med.) D. C.
*Schwarzmann, Joseph L. (Pre-Legal) Va.
*Scida, Samuel Adams (Pre-Legal) N. Y.
Sena, Dick (Pre-Med.) N. J.
Sexton, Thomas Barden (Gen.) Md.
Shaffer, Samuel (Gen.) D. C.
Shapiro, Lee Katherine (Gen.) D. C.
*Shatenstein, Rose (Gen.) D. C.
Shauck, Ruth Elinor (Gen.) Md.
†Shaulis, Mildred A. (Gen.) D. C.
Shaw, Joseph Charles (Gen.) D. C.
*Shaw, William Edward (Gen.) Mich.
Shea, Louise Bordeau (Com.) Mass.
Shea, Samuel Hazen (Pre-Med.) D. C.
Shearer, Ross Sterling (Com.) Tex.
Sheppe, Howard H. (Pre-Med.) D. C.
*Sherier, Ethel Virginia (Gen.) D. C.
Shimp, James Harrison (Gen.) D. C.
Shipman, William Groves (Gen.) D. C.
Shoemaker, Charles Gardner (Gen.) Md.
Shoemaker, Frances May (Gen.) D. C.
Shorey, John C. (Gen.) D. C.
Shosteck, Robert (Gen.) D. C.
*Shurman, Philip (Gen.) D. C.
Sickler, Gerald Whitmore (Pre-Legal) D. C.
Sigel, Marcella Erna (Gen.) Minn.
Silaz, John Bennett (Gen.) Ark.
Silverman, Augusta (Com.) D. C.
Silverman, Israel (Pre-Legal) D. C.
Silverman, Louis Charles (Pre-Med.) D. C.
Silverman, Meyer (Pre-Med.) N. Y.

†Silverstone, Miriam (Gen.) D. C.
Sim, Raymond William (Com.) D. C.
Simms, Perry Buckingham (Gen.) S. C.
Simon, Louis (Pre-Legal) N. Y.
Simons, Mary Ellen (Gen.) Tex.
Sirlouis, Marjorie Angeline (Gen.) D. C.
Skinner, Frances Bertha (Gen.) D. C.
Skinner, Inez Marguerite (Gen.) D. C.
Slate, Herman Ivan (Pre-Med.) Md.
Slaughter, Katharine (Gen.) D. C.
*Slick, Madaline Katharine (Gen.) Md.
Smallwood, Leon (Gen.) D. C.
*Smart, Benjamin Horace (Gen.) D. C.
*Smart, Thomas (Gen.) Okla.
Smith, Ann Elizabeth (Gen.) Ill.
Smith, Asa Albert (Com.) Me.
Smith, Charles Francis (Com.) Md.
Smith, Donna Belle Scott (Com.) D. C.
†Smith, Edward R. (Pre-Legal) Ga.
Smith, Ernestine Iantha (Gen.) W. Va.
†Smith, Guenny A. (Com.) D. C.
Smith, Hazel Albert (Pre-Legal) Mo.
Smith, John George (Pre-Legal) N. Y.
Smith, Margaret Elizabeth (Gen.) D. C.
Smith, Mary Virginia (Gen.) D. C.
Smith, Pearl Elizabeth (Gen.) Ill.
Smith, Samuel Raymond (Gen.) Va.
*Smith, Thelma Elizabeth (Gen.) D. C.
Smoot, Samuel N. (Pre-Legal) D. C.
Smyth, Patrick (Pre-Med.) D. C.
Snoddy, Minerva (Gen.) Va.
Snyder, Frances (Gen.) Mo.
Snyder, Lloyd (Gen.) Ind.
†Snyder, Roger E. (Pre-Med.) D. C.
Solem, Henry M. (Gen.) D. C.
Solem, Peter W. (Gen.) D. C.
*Soloway, Charles (Pre-Med.) N. Y.
*Somers, Edwin H. (Gen.) D. C.
Sorrell, Carol Alice (Gen.) N. C.
*Souden, Willard L. (Gen.) D. C.
*Spahr, Effie Mildred (Pre-Med.) D. C.
Spahr, Marie Athlyn (Gen.) D. C.
*Spain, Virginia Maye (Pre-Legal) D. C.
Spalding, Paul Lester (Pre-Legal) D. C.
†Sparks, Neal Washington (Gen.) Wyo.
Spangler, Catherine Mallette (Gen.) D. C.
Spooner, Beth (Pre-Legal) D. C.
*Staley, Henry Pearson (Gen.) D. C.
Stark, Harry Lewis (Pre-Med.) N. J.
Starns, John Cecil (Gen.) D. C.
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Staubly, Clara Frances (Gen.) W. Va.
Stauffer, David Rinehart (Gen.) Ohio
St. Clair, Gilbert Lawrence (Pre-Med.) Va.
Stearns, Charles Rixey (Com.) Va.
†Stebbing, Margaret M. (Gen.) D. C.
Stein, Colman Brez (Pre-Legal) D. C.
Steiner, Alexander W. (Pre-Legal) N. J.
*Steinhardt, Grace E. (Pre-Legal) N. Y.
Steuart, Gordon (Gen.) Va.
*Stevens, Averil Elaine (Gen.) D. C.
Stevens, Leslie Rexford (Gen.) N. Y.
†Stewart, George Romeny (Com.) Calif.
Stewart, Henry Howell (Com.) D. C.
*Stiles, Kathleen Bonnett (Gen.) D. C.
Stimson, Jesse LeRoy (Gen.) D. C.
Stolar, Hannah Hesse (Gen.) D. C.
*Stone, Ethel Fairfax (Gen.) Va.
Stone, Lillian Helen (Gen.) D. C.
*Strange, Doyle H. (Pre-Legal) N. C.
Strawn, Claudia (Gen.) D. C.
*Street, Eliza Hannah (Pre-Legal) D. C.
Stubb, Dorothy (Gen.) D. C.
Stumm, Erwin Charles (Gen.) Calif.

Sun, David (Gen.) China
Surdi, William Leonard (Pre-Med.) N. J.
Swanson, Edith Margaret (Gen.) D. C
Sweeney, Mabel Anne (Gen.) Va.
Sweetser, Peter Wilbur (Pre-Med.) Me.
Swindells, James Fisher (Gen.) D. C.
*Sykes, Malvira Yoeger (Gen.) Miss.
Tarshes, Joseph (Gen.) D. C.
Taylor, Ancel Newel (Gen.) Idaho
Taylor, Edward Howard (Com.) Va.
Taylor, Eliza Gwendolin (Gen.) Kans.
Taylor, Ernest Harold (Com.) Va.
*Taylor, Kitty Lee (Gen.) Md.
†Telford, David (Gen.) D. C.
Telford, Helen Dorothy (Gen.) D. C.
Terry, George Jefferson (Com.) Ark.
Teter, Lois Elizabeth (Gen.) Mo.
Thomlinson, Matthew (Gen.) D. C.
Thompson, Bingley W. (Pre-Legal) D. C.
*Thompson, Martha Janet (Gen.) Va.
Thompson, Nathaniel (Pre-Legal) Ill.
Thomson, William P. (Gen.) D. C.
Thorne, Louise Clara (Gen.) D. C.
Thrift, Gladys Roe (Gen.) D. C.
†Tilly, Ella Porter (Gen.) Tenn.
Todd, Mary Catherine (Gen.) D. C.
Tolchinsky, Clara Gertrude (Gen.) D. C.
Tonkin, Mary Elizabeth (Gen.) D. C.
Townshend, Eleanor Ellsworth (Gen.) Md.
*Trott, Eleanor Frances (Gen.) Pa.
*Trout, Howard Yoken (Pre-Med.) N. Y.
Trueworthy, Burnett T. (Gen.) D. C.
Truitt, Lillie May (Gen.) Md.
Tschiffely, Dolly Ball (Gen.) D. C.
Tsunoda, Kimi (Gen.) N. Y.
Turner, Jettie (Gen.) Tex.
Tyree, Mary Elizabeth (Gen.) Va.
Ullman, Jerrold Berthold (Pre-Legal) D. C.
*Utz, David Edgar (Pre-Med.) D. C.
*Vadnais, Anna Viola (Gen.) D. C.
VanMeter, Charles Leslie (Gen.) Md.
VanNess, Robert C. (Com.) N. J.
Vass, George William (Com.) D. C.
Veirs, Leona Evelyn (Gen.) Md.
*Vincel, Wilhelmina (Gen.) D. C.
Vinitzkovsky, Rose (Gen.) D. C.
Vivian, John Taylor (Pre-Med.) D. C.
Vollman, Thelma Hazel (Gen.) Ark.
VonLewinski, Inge (Gen.) D. C.
Wagner, John William (Gen.) Md.
†Wagner, Katherine (Gen.) Ill.
Wagner, Thomas William (Gen.) Tex.
*Walford, Alice Mary (Gen.) D. C.
Walker, Helen (Gen.) D. C.
*Walker, Mary Eleanor (Gen.) D. C.
Walker, Ruth Delphine (Gen.) D. C.
Wall, David (Gen.) D. C.
Waller, Philip David (Gen.) Ind.
*Walsh, Mary Elizabeth (Gen.) D. C
Walter, Raymond Joseph (Pre-Legal) D. C.
Waltz, Alice Orien (Gen.) D. C.
*Ward, Elizabeth Meade (Gen.) D. C.
Ward, Kenneth LaQue (Gen.) Utah
*Ware, Bessie Eleanor (Gen.) Miss.
Warwick, Paul E. (Gen.) Ohio
Watkins, Kennedy Campbell (Gen.) D. C.
Watkins, Olivia (Gen.) Md.
*Watson, Josie (Gen.) D. C.
Weaver, Etta Bowman (Gen.) D. C.
Weaver, Mary Annetta (Pre-Legal) D. C.
*Weaver, Zebulon (Pre-Legal) N. C.
†Weber, Alice Lucille (Gen.) D. C.
Webster, Helen Potter (Gen.) N. Y.
†Webster, Louise Amelia (Gen.) N. Y.
†Wecksler, Abraham N. (Pre-Legal) D. C.
Weinberg, Joseph Harry (Pre-Legal) D. C.
Weitzel, Fred Winfield (Pre-Legal) D. C.
*Welch, Eugene James (Gen.) Ohio
†Weldy, Mabel (Gen.) D. C.
†Wells, George W. (Com.) Wis.
Wentz, Arthur Edwards (Pre-Med.) Md.
Werksman, Sylvia (Gen.) D. C.
*Wernecke, Catherine DeVeer (Gen.) Va.
Wescott, James Blakely (Gen.) D. C.
Westbrook, Frank Springs (Gen.) D. C.
Wetherbee, Fairland H. (Pre-Legal) D. C.
Wheaton, Phila Lucile (Gen.) N. Y.
†White, Ethna Anna (Gen.) Del.
White, Grace A. (Pre-Legal) Ohio
White, Kathryn Elizabeth (Gen.) D. C.
Whiteside, Mary Elizabeth (Gen.) D. C.
*Whitney, Elmer Howard (Gen.) D. C.
†Wigby, Bartley D. (Pre-Med.) Minn.
†Wilbar, M. Margaret (Gen.) D. C.
Wilkins, Lena Forsberg, (Gen.) D. C.
Willcox, Caroline Dodge (Gen.) D. C.
*Williams, Edward A. (Pre-Legal) D. C.
Williams, Jessie Louise (Gen.) D. C.
Williams, Leora Jean (Gen.) D. C.
Willier, Henry Ossman (Gen.) D. C.
Wilpan, Charles (Pre-Legal) D. C.
Wilson, Charles Richard (Gen.) Ill.
Wilson, Jane Elizabeth (Gen.) D. C.
Wilson, Kathryn Teresa (Gen.) D. C.
Wilson, Mary Ellen (Gen.) Okla.
Wilson, Myrtle Ann (Gen.) D. C.
*Winn, Orin West (Gen.) Mo.
*Winn, William White (Pre-Med.) Ky.
Winston, William Dix (Com.) D. C.
†Winter, William Richard (Gen.) Ill.
Wirkus, Julia Rose (Gen.) Ohio
Wise, Albert C. K. (Gen.) Md.
Wiseman, Finley (Gen.) D. C.
†Wittenmyer, Howard I. (Pre-Legal) N. Y.
Witter, George Daniel (Gen.) N. Y.
*Witzel, Edward John (Pre-Legal) D. C.
†Wood, Willis A. (Gen.) Va.
Wood, Wilmer Orlando (Gen.) Md.
Wooden, Virginia Sourdan (Gen.) Ill.
Woodside, Lehman Frank (Pre-Legal) D. C.
Woodsome, Onville Curtis (Gen.) D. C.
Worrall, Dorothy Norwood (Gen.) D. C.
Worrall, Larry Woodward (Gen.) D. C.
Wrenn, Hylda Mae (Gen.) D. C.
Wright, Gladys Mattes (Gen.) D. C.
Wright, Nancy Starkey (Gen.) D. C.
*Wynkoop, Thomas K. (Pre-Med.) D. C.
Yasne, Anne (Gen.) D. C.
*Yellott, Robert Wright (Gen.) W. Va.
*Yontz, Charles Allen (Pre-Legal) Va.
Young, John Russell (Gen.) Wis.
Young, Maude Elizabeth (Gen.) Okla.
Young, Rosebud H. (Gen.) D. C.
Zabel, Doris Minna (Gen.) Conn.
Zemantowsky, John (Pre-Med.) D. C.
†Ziegler, Marian Frances (Com.) D. C.
Ziegler, Marion Maxine (Gen.) D. C.
Zimmerman, Carl Dressler (Gen.) D. C.
†Zucker, Jack S. (Pre-Legal)

UNCLASSIFIED

Abbe, Truman Waldo (Gen.) D. C.
Acree, Fred (Gen.) D. C.
Aldrich, Helene Rachel (Gen.) Ill.
*Allanson, John Sylvanus (Com.) Minn.
†Andrews, Julia du Pont (Gen.) Md.
Atkinson, Charles Newell (Gen.) N. J.
Bagwell, Withers Ivey (Pre-Legal) Va.
†Barbers, John G. (Com.) D. C.
†Barrow, Ernest W. (Gen.) D. C.
Beard, Richardson Dale (Pre-Med.) Md.
Birch, Catharine (Gen.) D. C.
†Birdseye, Charles Whitney (Com.) D. C.
†Bohr, Mildred Mabel J. (Gen.) S. D.
Brogden, Roy Osborne (Gen.) N. C.
Bryan, Fred Allen (Gen.) Va.
Burleson, May Walker (Gen.) Va.
Cadwalader, Mildred LaVerne (Gen.) Ill.
†Carroll, Eleanor Norris (Gen.) D. C.
Cavanagh, Rosemary (Gen.) D. C.
†Clark, David S. (Pre-Legal) D. C.
†Coley, Charles C. (Gen.) D. C.
Corbin, Ralph (Gen.) Ind.
†Crabtree, Mary E. (Gen.) D. C.
Currie, Allan McMillan (Pre-Med.) D. C.
†Cushman, Joseph Aiden (Gen.) Wis.
Danzansky, Sigmund (Gen.) D. C.
Davis, Charles Richard (Gen.) D. C.
Davis, Chester Leslie (Gen.) Iowa
Davis, Malcolm (Gen.) D. C.
Davis, Marjorie Brown (Gen.) Mass.
†Day, Dorothy (Gen.) Md.
Dickerson, Edgar M. (Pre-Med.) D. C.
Dillon, Mary Regina (Gen.) D. C.
†Dorsey, Harryman (Pre-Legal) D. C.
*Douthit, Donald J. (Gen.) S. D.
Dulin, Roland E. (Gen.) D. C.
Dunn, Elinor Louise (Gen.) D. C.
Durham, John Selwyn (Gen.) Tex.
Dushabek, James Albert (Pre-Med.) N. D.
Dye, Elden Hobson (Pre-Legal) Utah
Edwards, Edith V. (Gen.) Ohio
*Enoch, Robert Duvall (Gen.) Ohio
Ferguson, Margaret M. (Gen.) D. C.
Fife, Harold D. (Pre-Legal) D. C.
Foster, Allen Russell (Gen.) D. C.
†Franks, Walter Hall (Gen.) D. C.
Funk, Dorothy Caroline (Gen.) Md.
Garber, Joseph Ray (Gen.) Idaho
*Garrett, George Ellis (Gen.) D. C.
†Gerber, Louis Germain (Gen.) D. C.
Gichner, Lawrence Ernest (Gen.) D. C.
†*Gingras, Angele (Gen.) D. C.
†Goergens, Albert G. (Gen.) D. C.
Goldman, Myers (Gen.) Va.
†Grubb, Louise N. (Gen.) Md.
†Guerdan, Charlotte M. (Gen.) Mass.
†Harris, George A. (Gen.) Del.
Heid, Frances Evelyn (Gen.) D. C.
Heller, Harry (Gen.) D. C.
Henderson, Helen (Gen.) D. C.
*Hess, Eloise (Gen.) D. C.
Holder, Rosa (Gen.) Ga.
*Holmes, Willa (Gen.) D. C.
Horsfall, Corra Elizabeth (Gen.) D. C.
Hudson, Thomas Buford (Pre-Legal) N. C.
Iglehart, Donald Hunt (Gen.) D. C.
Iverson, Owen Carloss (Pre-Med.) D. C.
*Jones, John Paul (Gen.) D. C.
*Joyce, Cecil Arthur (Com.) N. D.
Kasson, Colletta Weis (Com.) D. C.
Kilstein, Richard Isaac (Pre-Med.) N. Y.
†Kluttz, P. Jerry (Com.) Mo.
*Knight, Lewis Earl (Gen.) Va.
Koch, Harry F. (Gen.) Minn.
*Kosicki, Cecelia (Gen.) Conn.
Lafount, Constance (Gen.) D. C.
Lawhorn, Louise Van Dyke (Gen.) Va.
Leighty, Florence Lueretia (Gen.) Va.
Little, Indel Roberts (Gen.) D. C.
Lord, Edwin C. E., Jr. (Gen.) D. C.
Lowe, Louella D. (Gen.) N. C.
Lusk, Catherine R. (Gen.) Ohio
McGaughey, Elizabeth (Gen.) D. C.
McGregor, D. P. K., Jr. (Pre-Legal) D. C.
†McKinley, Mabel R. (Com.) D. C.
*McLean, Mary Armina (Gen.) D. C.
*Manning, Elizabeth Connor (Gen.) Me.
Marechal, Elisabeth (Gen.) France
Martin, Herbert Lester (Gen.) Idaho
Mauger, Vera Louise (Gen.) D. C.
*Mitchell, Edward (Pre-Legal) Pa.
Mitchell, Virginia Rodier (Gen.) D. C.
*Moffett, Frances Elizabeth (Gen.) D. C.
†Morgan, Marietta Alice (Gen.) D. C.
*Morris, James Watson, Jr. (Com.) D. C.
Nash, Harriet Esselstyn (Gen.) D. C.
†Nevin, Janet R. (Gen.) D. C.
†Newlin, Theodore F. (Gen.) D. C.
†O'Donoghue, William (Gen.) D. C.
†O'Haire, John (Pre-Legal) Ill.
*Pabst, Bertha Elizabeth (Gen.) D. C.
Page, Orris (Com.) D. C.
Parker, Ernest Sheppard (Gen.) D. C.
Peckham, Winifred L. (Gen.) Pa.
Pensky, Nathan (Pre-Med.) N. Y.
*Phelan, Donald W. (Gen.) D. C.
†Phelps, Catherine M. (Gen.) D. C.
†Pierce, William R. (Gen.) Va.
*Pitman, Park Ware (Pre-Legal) Tex.
Pullen, Dorothy Catherine (Gen.) D. C.
Purdy, John B. S. (Pre-Legal) Pa.
Rice, Gladys (Gen.) Kan.
†Riddick, Parker (Com.) D. C.
Russell, Edward Brevard (Pre-Med.) D. C.
Sannebeck, Frank A. (Gen.) Mo.
†Schnapp, Solomon (Pre-Med.) N. Y.
Schwartz, Evelyn Katherine (Gen.) D. C.
Scott, William Wendell (Pre-Legal) Ill.
Shaw, Thomas Shulen (Gen.) Idaho
†Sheppard, Hattie L. (Gen.) Conn.
Smith, Gladys Mildred (Gen.) Iowa
*Sourwine, Julien Goode (Gen.) D. C.
Speight, Margaret (Gen.) N. C.
Springer, N. Norton (Pre-Med.) N. Y.
*Swiger, Paula Edith (Com.) W. Va.
†Taylor, G. Douglas (Gen.) Utah
†Wagner, Jack W. (Gen.) Va.
Walck, Earl Clifford (Pre-Legal) Pa.
Wall, Blanche (Gen.) D. C.
†Wallace, Marie Gertrude (Gen.) D. C.
†Walter, Walter M. (Gen.) D. C.
†Whippo, Emma Elizabeth (Gen.) Pa.
†Wilder, Katherine L. (Gen.) D. C.
†Willier, Lillian E. (Gen.) D. C.
Witherow, Grace A. (Gen.) Md.
Wolf, Antonette Catherine (Gen.) Md.
†Young, Oliver B. (Pre-Med.) Va.
†Ziegler, Helen Anita (Gen.) D. C.

SPECIAL PRE-LEGAL

Billings, Thomas Elton	Utah	Mason, William Reading	Md.
Brown, Herbert Collier	D. C.	*Moore, Bessie Boynton	N. Y.
Canney, John Orlando	Ill.	†Murphy, Harold Warner	Ind.
Chessin, Jesse Herbert	D. C.	Nicholson, Daniel E.	W. Va.
†Cox, James Stanley	D. C.	Scrivener, Frank Edward	D. C.
†Dillard, Paul Jackson	Colo.	*Smiley, Robert Hendley	Ark.
†Duncan, Randolph Hearst	D. C.	Smuck, Carl Chapman	Va.
†Espinosa, Ernest	N. M.	Swiger, Lyren Kenneth	W. Va.
Fleming, William Phelps	D. C.	Texter, Kenneth Gordon	D. C.
Grey, Wheeler	N. J.	Tuhy, Stephen, Jr.	Minn.
*Hammond, Otho Warner	D. C.	Weeks, George Brightman	D. C.
Hanscome, Robert	D. C.	Weigel, William Robert	D. C.
Hooff, Wilson Lee	D. C.	Williams, Margery	D. C.
Jones, Ralph Edmund, Jr.	D. C.	Williamson, William F.	Okla.
MacMullan, Charles Francis	Md.		

PRE-MEDICAL

Arbona, Guillermo	D. C.	Levin, Abraham	D. C.
Austin, James Benedict	Conn.	Mandy, Theodore Edward	D. C.
Bageant, Samuel Millard	D. C.	†Mina, Vincent	N. Y.
Bailey, Confer G.	D. C.	Nichanoff, Isidore	D. C.
Bashein, Gus	N. Y.	Norris, Alfred William	N. J.
Bauman, Merdella D.	D. C.	Racioppi, Rosalinda Maria	N. Y.
Becker, Joseph Maurice	D. C.	Revilla, Manuel Gonsales	Panama
Bowsher, Mark Clifford	D. C.	Richwine, Alfred Henry	D. C.
Broaddus, John Prichard	D. C.	Saunders, Walter Allen	D. C.
Calhoun, Edward J.	D. C.	Scott, Stephen Mapes	N. Y.
Carey, Sheldon David	D. C.	Shupe, Reed Dalton	D. C.
Cayton, Leon	D. C.	Staub, Charles William	D. C.
†Conklin, Roscoe L.	D. C.	Steiner, Edward Thomas	D. C.
*Cousins, Ceril Charlotte-Emma	D. C.	†Stohr, Charles Leland	Calif.
Cross, Allen Slayman	D. C.	Sullivan, Richard Thornburgh	D. C.
Curtiss, Henry Daniel	D. C.	Suter, James Marion	D. C.
Douglas, Irvin Nathan	D. C.	Taylor, David McGray	D. C.
Dower, Harold Irwin	D. C.	Terrell, William Dandridge, Jr.	Va.
Francis, Harmon James	Va.	Torcasio, Gasper Michael	D. C.
Fugitt, Elmer Wink	D. C.	Voneiff, William Henry	D. C.
Halstead, Clark Paul	D. C.	Weeks, Norman E.	D. C.
Heizer, James Howard	D. C.	Weeks, William Addison	Pa.
Howard, Victor Atwood	D. C.	Wingard, Hugh Donald	Va.
Inslicht, Hyman	N. J.	Wolfson, Edward	

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*Ahlstrom, Iven Albert	Va.	A.B. 1924, TheGeorge Wash-	
*Alderman, Lola Lake	Calif.	ington University	Va.
*Alter, Louise M.	D. C.	Berkeley, Elizabeth Landon	Utah
†Anderson, Daphne	D. C.	†Berrett, Ray William	D. C.
*Ash, Marguerite Hal. Brown	D. C.	Bertrand, Elizabeth M.	Va.
Auden, Zoe Isabel	Md.	Biggers, James Walton, Jr.	D. C.
Bailey, Clara Lucile	D. C.	*Bilisoly, David Livingston	Minn.
A.B. 1921, Western Reserve		*Bjook, Pearl Delyer	Mich.
University.		*Black, Lura Beatrice	Ohio
*Bailey, Helen LeVonne	D. C.	Blackmore, Eleanor	Neb.
*Baker, Arthur Gorham	D. C.	*Blake, Ethel	
Baker, Mae Davis	D. C.	A.B. 1912, University of Ne-	
*Baldwin, Carolyn Tillexx	N. C.	braska	D. C.
†Bangerter, Sarah Christel	D. C.	Blystone, Clara Agnes	D. C.
A.B. 1925, The George Wash-		Bolger, Mary S.	D. C.
ington University		*Bonner, Dorothy	Va.
Barr, Elizabeth	N. Y.	Booker, Eugene Cole	D. C.
†Bartsch, Signe Gjerdrum	D. C.	†Boyd, Ralph Stewart	D. C.
A.B. 1920, The George Wash-		Boyer, Edith Glory	Mo.
ington University		Briggs, Warren Lee	
Beale, Bonnie Vivian	D. C.	A.B. 1928, The George Wash-	
*Belcher, E. Louise	D. C.	ington University.	
*Bement, Rita Rogada	D. C.		
†Benjamin, Stanley Gregory	D. C.		

Bromwell, Marian D. C.
A.B. 1925, The George Washington University
Brook, Helen C. N. J.
†Brooke, Carroll Everett Va.
Brosius, Anne Caroline D. C.
Bross, Anna Md.
*Browder, Anne Va.
*Brown, Clara Emily Iowa
*Brown, Elmer Germaine N. Y.
A.B. 1927, The George Washington University
Brown, Erma Va.
A.B. 1922, The George Washington University
Brown, Frances Grace Tenn.
Brown, Margaret Louise N. C.
A.B. 1927, The George Washington University
*Bryan, Herbert Kennon Va.
Buck, Radia Florence W. Va.
*Bullene, Egbert Frank D. C.
†Burns, Robert E. Wyo.
*Burrell, Naomi Leona D. C.
Burroughs, Alice Md.
Busch, Margaret Temple D. C.
†Bush, Georgia P. D. C.
Bushong, Edna E. (Mrs.) D. C.
Butt, Joseph Vivian D. C.
Callender, Harvey Cornelous Va.
†Campbell, Mary Alice Ind.
†Canfield, Dorothy Greenwell D. C.
Canning, Fleda Rose Okla.
Canning, Lucille Okla.
Cantrell, Georgia Edith Colo.
*Cargill, Louis Harold D. C.
Carlson, Vivian N. Y.
Carney, Isabel D. C.
*Carpenter, Carroll Shannon D. C.
Carpenter, Mary Williams D. C.
*Carrico, Annalee Colo.
Cassie, Earle Willmont D. C.
Channel, Jesse Franklin Va.
†Channing, Alice D. C.
A.B. 1911, Radcliffe College
A.M. 1926, University of Chicago
Chase, Emily Tevis D. C.
*Chenault, L. Mabel D. C.
†Christman, Julian Hackney D. C.
*Cissel, George Osborn B. Md.
Clapper, Russell Byron Va.
Clarke, Elizabeth Medway D. C.
Clarke, Inda Payne D. C.
†Cleary, Hubert Hall D. C.
*Cockrill, Jane Tenn.
Colison, Charles Walter D. C.
*Compson, Cornelia N. Y.
Connor, Mary D. C.
Conroy, Louis Newman Utah
Considine, Robert Bernard D. C.
†Corl, Elbert Va.
Cosby, Harold Otis D. C.
Cotten, Felix Thomas D. C.
*Craig, Mary Margaret D. C.
†Crandall, Perry Bruce D. C.
*Crane, Evelyn D. C.
Crawford, Doley Elizabeth D. C.
*Crawford, Jeanette Delilah D. C.
Cromwell, Mary Watson D. C.
*Cunningham, Anne Lee Va.
Dakin, John Roy D. C.
Darin, Rodolfo Casetta D. C.
Darroch, Mrs. Mabelle Homsher Ind.

*Davis, Catherine Roca D. C.
†Davis, Violet Elizabeth Va.
Dean, Eloda B. D. C.
*Deans, Amelia Byrd D. C.
*Defandorf, F. M. Md.
†de Wolf, Hazel D. C.
A.M. 1918 Columbia University
*Dodd, Herbert James Del.
Donovan, Edith Rita D. C.
Doonan, Margaret D. C.
Dorr, Anna Kathleen D. C.
†Dowell, Alice Starus D. C.
Driscoll, Stephen J. Mass.
A.B. 1928, The George Washington University
Drury, Elsie Marie D. C.
†Duncan, Edith N. J.
Ehrler, Louis John D. C.
Ellerbrock, Charlotte D. C.
*Elliott, Freda Cook D. C.
Elliott, Mayme Salmon Va.
Endres, Charlotte Marie D. C.
Erickson, Emil Theodore D. C.
A.B. 1916, Utah University
*Esten, Alfred Roy D. C.
Evans, Walter Odgen Ky.
A.B. 1923, The George Washington University
*Fangman, Leo James Iowa
A.B. 1926, Columbia University
Fesler, Clarence Manley D. C.
†Fish, Josephine Edna D. C.
*Fisher, Bernice Sarah N. H.
*Fisher, Marie E. D. C.
Fitz Randolph, Clara D. C.
*Flaherty, Josephine M. D. C.
Flint, Emma Mathilda Va.
B.S. 1919, University of Vermont
†Floeckher, Margaret Louise D. C.
†Foster, Ruth Evermont D. C.
A.B. 1925, The George Washington University
Frair, Helen Marie Pa.
Francis, Elsie D. C.
Francisca, Sister Mary D. C.
*Frasier, Susan Isler D. C.
Frey, Clarence William Pa.
Fusfeld, Cecile Leban (Mrs.) D. C.
Gardella, Wallis Hugh D. C.
*Gay, Mills Everett, Jr. D. C.
Gayer, Helen Dodge D. C.
Gilman, Iva Ruth Me.
Gengell, Helen Virginia Md.
*Gogorza, Ethel Montagn D. C.
*Gorn, Ruth J. D. C.
Graumann, Raymond Louis Va.
Gravatt, Annie E. R. R. I.
A.B. Brown University, 1916
M.S. Brown University, 1918
*Gray, John T., Jr. Mo.
†Gray, Mary Patricia D. C.
*Griffith, Charles Howard Md.
†Guest, Cora E. D. C.
A.B. 1922, The George Washington University
Gurley, Madge Elaine D. C.
Hale, Roger Francis Md.
*Haley, Gilbert Fant D. C.
Hall, Mary Belle Ky.
*Hamilton, Exilona Luisa D. C.
Hammond, Agnes R. D. C.

†Hammond, Willa B. Neb.
Hanway, Hannah Jane D. C.
*Harrah, Helen Scovell D. C.
Harrell, Rudolph Thomas D. C.
Harris, Archie Fuller D. C.
†Harris, Frieda B. Ohio
Hastings, Edith Burden (Mrs.) D. C.
Hawkins, Kate Holt D. C.
*Hawley, Helen M. D. C.
Hawxhurst, Elizabeth D. C.
†Hayden, Anna Ida D. C.
*Hayes, Elizabeth Bosley Md.
A.B. 1928, Ohio Wesleyan
Heins, Fred Mo.
Hendrickson, Lydia D. C.
Henry Thomas R. D. C.
*Hexxing, Annie Fa-son N. C.
Hicks, John Aston Va.
Hicks, Ray Landon Va.
Hilton, George Pike D. C.
†Hoaglund, Cyrus Vincent Minn.
A.B. 1928, The George Washington University
*Hobbs, Helen Marjorie Md.
*Hodge, Franklin Earnest Md.
Hodges, Harris Hamlin Md.
Hogue, Lois D. C.
Holdridge, Abby D. C.
Hoover, Martha A. D. C.
*Hovey, Marguerite V. Mo.
Howard, Iris Ray D. C.
†Howlett, Jack D. C.
Huhn, Francis Christian, Jr. D. C.
†Hulick, Delma Roberta D. C.
Humphrey, Ardelle Irving D. C.
Hutchinson, Lillian Ruth D. C.
A.B. 1927, The George Washington University
Isham, Willard S., Jr. D. C.
B.S. in C.E. 1928, The George Washington University
†Jackson, Charles Edgerton S. C.
†Jackson, Laverne I. D. C.
*Jackson, Lyle W. R. D. C.
†Jacobs, Emma Suter Va.
Jacobsen, Mabel Claire D. C.
Janes, Charles Edward Md.
Jespersen, Anna S. D.
*Johnson, Nell Norris Tex.
*Johnson, Ruth Hershey Ohio
*Jones, Esther Cline D. C.
*Jones, Nettie Young Va.
Karst, Gertrude N. Y.
†Keefe, Clara Louise D. C.
*Keenan, Marion Pa.
†Kefauver, Lena D. C.
Kellogg, Clyde Elmer D. C.
Keely, James Everett D. C.
Kennedy, Ralph Grant, Jr. D. C.
Kern, George Frederick D. C.
†Kernan, Julia D. C.
*Kilburn, Henry Thomas D. C.
†Kim, Chong Chul Korea
†Kimball, Max Knowlton Utah
King, Mrs. Ethel Woodward Va.
*Kirby, Burton Row D. C.
Klein, Ernest Joseph Calif.
†Klemm, Gertrude D. C.
Knappen, Phoebe Malma D. C.
A.B. 1925, The George Washington University
Korbly, Charles Alexander D. C.
*Kubach, Leah Leona D. C.
Kuchera, Anna Ruth D. C.

*Kuhnert, Irma Elizabeth D. C.
*Kunzelmann, Louis D. C.
La Crosse, Herman Thomas Me.
Ladd, Richard Stockwell Vt.
A.B. 1923, Harvard University
*Lambert, Margaret V. D. C.
Lang, Idamay D. C.
A.B. 1925, The George Washington University
*Lattin, Edward Elliott D. C.
Lavin, Morris B. Wis.
*Lawrence, Birdie Tex.
A.B. 1918, Baylor College
†Lazarus, Curto D. C.
*Leaf, Elizabeth Wynde D. C.
†Leatherwood, Mary Pauline D. C.
†*Lechner, Florian D. C.
Lemon, Agnes Tex.
Leonardo, Erminie Caroline D. C.
*Leverkuehn, Renate (Mrs.) D. C.
*Levy, Hilda D. C.
Lewis, Blanch Elizabeth N. Y.
A.B. 1923, The George Washington University
A.M. 1926, The George Washington University
Lewis, Edna D. C.
†Libbey, May D. C.
†Liston, Katherine Frances Va.
*Livingston, John Cope D. C.
*Lizaire, Raoul D. C.
*Locke, Margaret Theresa D. C.
Lodge, Anne Elizabeth Conn.
*Lucas, Dorothy Md.
B.R.E. 1924, Boston University
Ludwig, Lucy Virginia W. Va.
†Lutz, Eli Russell D. C.
A.B. 1922, The George Washington University
*Lynch, Mary Margaret D. C.
McCain, Lucille S. D.
B.S. 1927 South Dakota State College
McCormick, John Dominic D C.
B.S. 1914, The George Washington University (C.E.)
B.S. in M.E. 1921, The George Washington University
*McCoury, Bertha Ferguson D. C.
*McCrea, Estelle Murphy (Mrs.) D. C.
*McCrea, John Livingstone D. C.
*McCuthcheon, Duval Talmage Ark.
A.B. 1928, The George Washington University
*McEachern, Walter Bailey, Jr. Md.
McElroy, Mary B. D. C.
†McGown, Ruth Jeannette Md.
A.B. 1925, The George Washington University
†McGrath, Daniel M. D. C.
†McIntosh, Gordon Kenneth Colo.
*McMurdie, Howard F. D. C.
†McNish, Alvin Greene Md.
A.B. 1924, The George Washington University
McReynolds, Mrs. Jessie Brooks D. C.
Manship, Frances P. D. C.
Marsden, Ambrose R. J. S. D.
Marsh, Charles Dempster N. Y.
Martus, Bertha E. D. C.
Mattingly, Leonard Howard, Jr. D. C.
†Meredith, Lida Orem N. Y.
Merselis, Lois Antoinette D. C.
Middleton, Mildred E. Hawes

Miller, Charlotte Hayes — Pa.
Miller, Jessie Lander — D. C.
A.B. 1922, University of Colorado
A.M. 1920, The George Washington University
Miltenberger, Bertha A. — Md.
Moberly, Etna Rose — Kans.
†Moffat, Henry — D. C.
†Monahan, Margaret Florence — Pa.
Monish, Byron Harold — D. C.
B.S. 1927, Oregon State College
*Moriarty, James Tiffany — Mass.
Mueller, Anita V. — D. C.
A.B. 1927, The George Washington University
Mulhall, Francis Joseph — D. C.
Murray, Eleanor Hawes — D. C.
Myers, Sue Gladding — D. C.
Myhr, Margaret — Mass.
Myron, Claire Priscilla — Mass.
Newman, Frances Geschickler — D. C.
Newman, Lawrence G. — Mass.
*Nuchols, May C. — D. C.
A.B. 1915, Maryville College
O'Brien, Mary Martha — W. Va.
O'Donaghue, Catherine A. — D. C.
Ogg, Mrs. Mary Pritchard — D. C.
†Ogilby, Randolph — Md.
*O'Neal, Robert Eugene — D. C.
*O'Neil, Robert Lawrence — D. C.
Page, Mildred Aileen — Md.
Palmer, George — D. C.
†Parker, Dora Mason — D. C.
Parker, Mayme C. — D. C.
†Parsons, James Hollister — D. C.
Paula, Sister Mary — D. C.
Peerce, William Riggs — D. C.
Peikoff, David — Can.
*Pennoyer, Ralph Gilbert — D. C.
Perkins, Beulah Field — Iowa
Peters, Mary Ellinor — Ind.
†Petromes, John Nicholas — Del.
*Polk, Prudence McNeal — Tenn.
*Prenoszil, Mrs. Augusta — D. C.
†Price, Helen Brachwade — D. C.
A.B. 1926, Goucher College
*Price, Zola Rountree — Md.
Pugh, Adele Ruby — D. C.
†Puhr, Marie C. — D. C.
†Purcell, Dwight O. — D. C.
Pursel, Clara Hayden — Md.
†Putman, Amy D. — D. C.
*Pyne, Dorothy Marie — D. C.
*Quigley, Max E. — D. C.
Rainey, Frederick Blachwell — D. C.
Ralston, John Dempster — D. C.
Rand, Clara Cornelia — D. C.
†Ransone, Mrs. Grace — D. C.
Ray, Ruth R. — D. C.
Reed, Helen E. — Me.
Reich, Richard Henry Lee — Md.
Reneau, Thomas Alan — Tex.
Reynolds, Bertha Davis — D. C.
Riddle, Charles Lyon — D. C.
Ring, Gretchen — D. C.
A.B. 1920, The George Washington University
Roberts, Eula Maud
*Robinson, Alice Evelyn — D. C.
†*Rocca, Helen Mitchell — D. C.
A.B. 1919, University of California — D. C.
A.M. 1921, University of California

Rohleder, Grace Irene — D. C.
Rohrback, Ola Hill — D. C.
Rubin, Joseph Lewis — D. C.
Sample, Laurence Henderson — Pa.
Saul, Edith Ray — D. C.
A.B. 1927, Goucher College
†Savage, Francis Martin — D. C.
Schaaf, Betty — D. C.
Scharinger, Anna — Md.
†Scherr, Mary — Md.
Schnell, Nina Mae — D. C.
Scully, Charles Burleigh — Mass.
Seaton, Arthur James (Mrs.) — D. C.
Sedgwick, Ruth — Conn.
Seidel, William — D. C.
*Severance, Belknap — Md.
Shaw, Lillian — D. C.
Sheahan, John — D. C.
*Sherwood, Granville Hudson — D. C.
Shiely, Paul Walter — D. C.
*Shinn, Erwin Henry — Ark.
A.B. 1910, Arkansas University
B.S. 1916, Oklahoma A. & M.
A.M. 1919, The George Washington University
Ph.D. 1923, The George Washington University
Sieg, Mildred Catherine — Pa.
Sims, Clifford Marton — D. C.
Sioussat, Helen Alice — D. C.
Slayton, Polly P. — Md.
Smallwood, Nell Wright — D. C.
*Smith, Elizabeth Lucile — Iowa
A.B. Knox College, 1890
A.M. 1926, The George Washington University
*Smith, Herbert Devere — D. C.
Smith, Mary P. — W. Va.
Smith, Rena B. — Mass.
Smith, Wallace Victor — D. C.
A.B. 1922, Washington Miss. College
Snell, Cora Isa — Mich.
*Snure, Anne — Md.
A.B. 1928, The George Washington University
*Sparks, Minnie Ora — Va.
†Spencer, Robin Edgerton — D. C.
Starr, Relda A. — D. C.
St. Clair, Rebecca Campbell — D. C.
†Stein, Frances — D. C.
Stief, William — D. C.
Stribling, Mary — D. C.
*Strintz, Estella — D. C.
Strock, Rena Niesley — D. C.
†Stunart, Josephine Romney — Calif.
Sullivan, Anna Ermingarde — Iowa
†Sweeney, Helen Louise — D. C.
Swenson, Bennett — D. C.
A.B. 1925, Gustavus Adolphus College
Talbert, Elsie May — Md.
A.B. 1927, The George Washington University
Talley, Jacob Wallace — D. C.
Teplow, Leo — Mass.
†Teu, Sanfjord B. — N. C.
Thomas, Alma Isabel — N. Y.
†Thomas, Faye — D. C.
†Thomas, Harry Stirling — Md.
Thompson, Edith Cromrine — D. C.
Thompson, Gladys Ann — Utah
†Thompson, Maude A. — D. C.
*Towne, Laura Caton — D. C.

Traylor, Chloe Elizabeth	Ill.
Tucker, LaVerne Lillian	D. C.
Tytus, Mildred Mordaunt	Mass.
Vaillancourt, Arthur Joseph	Mass.
Van Doren, William Addison, Jr.	Va.
Vane, Calvin Chapin	D. C.
Vincel, Edna B.	Va.
Výcital, John Rudolph	Ill.
†Wagner, Richard D.	D. C.
Wall, Blanche Evelyn	D. C.
*Wallace, James David	Miss.
Wallace, William	D. C.
Ward, Edith Jacqueline	D. C.
†Waring, Anna Frances	D. C.
A.B. 1924, The George Washington University	
*Warren, Rosina H.	D. C.
Warren, Suzanne Agnes	D. C.
†Wauchope, Frank William	D. C.
Webb, Byron Horton	Calif.
B.S. 1925, University of California	
M.S. in Chem. 1928, The George Washington University	
Wedgworth, May	Md.
A.B. 1928, The George Washington University	
†West, Katherine Gardiner	D. C.
*Wheeler, Emma N.	Mich.
†Wheeler, Lulu Magdalene	Ill.
White, Milton Christian	D. C.
White, Ruth	Neb.
Whitehead, Lillie May	D. C.
*Whitman, Vernon Eleazer	D. C.
Williams, Martha W.	D. C.
Wilson, Eleanore Brightwell	Va.
*Wilson, James Kay	Ky.
*Wilson, Ruth	D. C.
A.B. 1910, The George Washington University	
Wolman, Bertha	Md.
*Wolpe, Lena Katkow	D. C.
Woodcock, Gertrude Rose	D. C.
*Woodington, William Earle	D. C.
Zoller, Mary Catharine	Iowa
†Zrerina, Lotie Irene	Va.

BACHELOR OF SCIENCE

SENIORS

†Asp, Nogi Arthur	Wash.
†Errington, Paul L.	S. D.
Hutton, Harry Theodore	D. C.
Kranauer, Reginald Jos.	D. C.
McNally, Edmund Houston	Minn.
*Mantell, Leon Michaels	N. Y.
Schricker, John Adams	N. H.
Smith, Merton Benton	D. C.
Steele, Judith Leroy	D. C.

JUNIORS

Alpher, Robert	D. C.
Barnum, Glenn L.	Va.
Byers, Jason Harold	D. C.
Cuvillier, Eugenia Agnes	D. C.
Hefty, Virginia	Md.
January, Roberta	D. C.
Kettering, James H.	D. C.
†Maitland, Mildred	Va.
Mutchler, Willard Hammond	D. C.
Nelson, Reuben Andrew	Calif.
Norgorden, Cora A.	Minn.
Powell, James Emerson	D. C.
Radcliffe, Rowena Elocen	D. C.
Rosson, Bernard Allen	Md.
*Smith, Henry James	D. C.
Snyder, Albert Ralph	D. C.
Van Heucheroth, Arthur William	Pa.
Williard, John Earlton	

SOPHOMORES

Cngier, James Franklin	Md.
Carpenter, Elizabeth Ruth	Md.
Clark, Hugh Kemp	Va.
Corey, Mary Gertrude	Minn.
Criswell, Willard	Minn.
*Epley, Charlie Mae	Md.
Goldsmith, Harry	D. C.
Heins, Conrad Philip	Va.
†Henkel, Amelia Lenore	D. C.
Horner, Charles Kenneth	D. C.
Howard, Paul T.	
Jenkins, Harold Leon	Md.
Jones, Percy	Ga.
Kennedy, William Brent	Va.
Montzka, Alfred J.	Va.
†Nimifro, Beatrice Mary	D. C.
Ready, Daniel	N. C.
*Renfro, George Ellis	Pa.
Roe, Edward Thomas	Va.
Tremearne, Thomas Harold	Minn.
Wilhelm, George Raymond	Va.

FRESHMEN

Appler, Francis William	D. C.
*Armstrond, Howard Malcolm, Jr.	D. C.
Atkins, John Lewis	D. C.
Atterberry, Phil Russell	D. C.
Bennett, Joseph Gilbert	D. C.
*Berg, Harry	D. C.
Bernstein, Rena	Del.
Blake, Thomas Richard	D. C.
†Bleicher, Mary Miriam	D. C.
Brainard, Betty Heuntley	Va.

Breedlowe, John Cromwell	D. C.	Lindley, Paul Jonathon	Ind.
*Brubaker, Harold Lee	Va.	McNutt, Agnes Louise	D. C.
Buckley, Richard Randolph	Va.	MacNeil, F. Stearns	D. C.
Clark, Austin Bryant	D. C.	†May, H. Spencer	Utah
*Coffman, John Wesley, Jr.	Md.	Metro, Francis Greenberry	D. C.
Cohen, David	N. Y.	Milliken, Kenneth Augustus	D. C.
Conrad, Paul Allen	D. C.	Morris, Herman Jackson	D. C.
Cotton, Jane Catherine	D. C.	Parker, Jack Edwin	Md.
Creitz, E. Carroll	Kans.	Parsons, Donald Johnson	D. C.
Creitz, Ellis E.	Kans.	Paterson, Ellen May	Iowa
Custer, Jonathan Henry	Pa.	Price, Eugene Joshua	D. C.
†Dille, Kathryn Virginia	D. C.	Randall, Fred Glanwood	D. C.
Dolinsky, Walter Sigmund	N. Y.	*Roche, William Alfred	D. C.
*Durand, Erie	D. C.	†Salica, Michael	N. Y.
*Elder, Robert F.	D. C.	Scribner, Bourdon Francis	D. C.
England, Joseph Loveday	D. C.	Smith, Kerfoot Bainbridge	D. C.
Fairchild, Helen Christina	Va.	Smith, Paul Chester	D. C.
Gilman, Robert Bartram	Conn.	Smithskamp, Gerhard Frederick	D. C.
†Gordon, Charles Lewis	Mass.	Soderberg, Chester Nathan	Minn.
Grad, Raymond	N. Y.	Stone, Gordon Oliver	Va.
Hufnagel, Charles Frederick	D. C.	Suiscum, Timoth C., Jr.	D. C.
Hunt, Charles Maxwell	D. C.	Swartout, John Alden	D. C.
Hyde, DeWitt Stephen	D. C.	Taylor, Malcolm	D. C.
*Kerkan, John Freeman	D. C.	Taylor, Zachary	D. C.
Kerwin, Charles Henry	D. C.	Thaden, Charles Alvin	D. C.
Kimball, James Putnam	Wyo.	Ward, James F.	D. C.
King, Henry Kendall	Va.	Welch, John Calvert	Pa.
Knoop, Victor Hammond	D. C.	White, Wallace C.	D. C.
*Levy, Stanley	D. C.	*Wilcox, Alice Helen	N. Y.

UNCLASSIFIED

Ashbough, Beulah Rhea	Ohio	*Jeffery, Donald Dale	Calif.
Eggenschwiler, Charles Edwin	Ohio	*McClure, Harold Edward	Mass.
*Fisher, Clarence Milton	D. C.	*Maigret, Louis Phillippe	Md.
Haupt, Ralph Freeman	Kans.		

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

CANDIDATES FOR DEGREES

The degree for which the student is a candidate is given in parentheses following the name.

Alburger, Harry Allyne (M.S.) D. C.
B.S. 1927, The George Washington University; *Major:* Engineering

Allison, Samuel Francis (M.S.) Pa.
A.B. 1925, Susquehanna University; B.S. 1927, Susquehanna University; *Major:* Chemistry

†Almer, Hilding E. (A.M.) Minn.
A.B. 1928, Gustavus Adolphus College; *Major:* Physics

Anderson, Emil (M.S.) Minn.
B.S. 1924, University of Minnesota; *Major:* Physics

Andrews, Frances Foye (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

Appleby, Lucile Drummond (A.M.) Md.
A.B. 1927, The George Washington University; *Major:* English

Arnaud, Elaine Pauline (A.M.) Wis.
A.B. 1927, Cornell University; *Major:* Geology

Atchison, Marguerite (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* History

Ballif, Paul Shirrington (A.M.) Idaho
B.S. 1926, University of Idaho; *Major:* Mathematics

Barbella, Nicholas (M.S.) D. C.
A.B. 1928, The George Washington University; *Major:* Chemistry

Barnes, Jesse Wright (Ph.D.) D. C.
A.B. 1917, University of California; M.S. 1922, The George Washington University; *Major:* Chemistry

Barwick, Charles Frank (Ph.D.) Okla.
A.B. 1926, University of Oklahoma; A.M. 1928, University of Oklahoma; *Major:* Political Science

Batschelet, Clarence Edmund (Ph.D.) Va.
A.B. 1912, Franklin and Marshall College; A.M. 1926, The George Washington University; *Major:* Geography

Bealer, Carter Newman (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* English

*Beall, Dorothy Joyce (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Foreign Commerce

Beck, Marjorie Saxton (A.M.) Md.
A.B. 1927, The George Washington University; *Major:* History

Beek, John (M.S.) Wash.
B.S. 1927, University of Washington; *Major:* Chemistry

Bement, Douglas (A.M.) D. C.
A.B. 1919, Yale University; LL.B. 1922, University of Michigan; *Major:* English

Black, Charles Ashton (Ph.D.) D. C.
A.B. 1914, Hendrix College; M.S. 1923, The George Washington University; *Major:* Chemistry

*Black, Margaret Sarah (A.M.) Tex.
A.B. 1926, The George Washington University; *Major:* Political Science

Blythe, John Henry (A.M.) Ky.
A.B. 1926, The George Washington University; *Major:* Mathematics

Bond, Eason Jackson (A.M.) Ga.
A.B. 1926, The George Washington University; *Major:* History

Booth, Nina M. (A.M.) N. Y.
A.B. 1927, The George Washington University; *Major:* Philosophy

Borden, Hazel A. (A.M.) Mass.
A.B. 1926, The George Washington University; *Major:* Geology

*Bradshaw, Max Abraham (M.S.) Md.
A.B. 1923, The George Washington University; *Major:* Chemistry

Bragaw, Charles Louis (M.S.) S. C.
A.B. 1926, Davidson College; *Major:* Chemistry

Brewer, Charles MacFarlane (Ph.D.) D. C.
B.S. 1923, University of Maryland; M.S. 1924, University of Maryland; *Major:* Bacteriology

Briggs, Ethel Louis (A.M.) Pa.
A.B. 1926, Western College for Women; *Major:* Romance Languages

Brinson, Roscoe (M.S.) Md.
A.B. 1913, Texas Christian University; *Major:* Chemistry

Brocklebank, Charles Albert (A.M.) Va.
A.B. 1926, University of Wales; *Major:* Philosophy

Brown, Russell Martin (A.M.) N. Y.
A.B. 1923, The George Washington University; *Major:* Commerce

Brown, Vernon Lee (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Economics

Brunauer, Stephen (M.S.) D. C.
A.B. 1925, Columbia University; *Major:* Chemistry

Brunschwig, Lily (A.M.) Switzerland
A.B. 1927, The George Washington University; *Major:* Psychology

Bundy, Emory Edwin (A.M.) D. C.
A.B. 1927, Whitman College; *Major:* Economics

Burd, Pauline Babp (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Political Science

Burritt, Loren (M.S.) Md.
A.B. 1927, The George Washington University; *Major:* Chemistry

Burton, John Oliver (M.S.) Minn.
B.S. 1927, Hamline University; *Major:* Chemistry

*Buzzard, Robert Walton (A.M.) D. C.
B.S. 1926, Michigan State College; *Major:* Physics

Caldwell, Frank Repp (A.M.) D. C.
B.S. 1925, The George Washington University; *Major:* Physics

Camfield, Lionel H. (A.M.) Va.
LL.M. 1914, Georgetown Law School; A.B. 1928, The George Washington University; *Major:* Economics

Caras, Antonios (A.M.) Greece
A.B. 1926, The George Washington University; *Major:* Psychology

Carden, Samuel Poe (A.M.) D. C.
A.B. 1918, The George Washington University; A.M. 1922, American University; *Major:* Spanish

*Carrico, Charles Arthur (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Philosophy

Carroll, Zata Vileita (A.M.) Pa.
A.B. 1928, The George Washington University; *Major:* History

Castleman, Frances (A.M.) Va.
A.B. 1926, The George Washington University; *Major:* Physics

Caughey, Sadie (A.M.) La.
A.B. 1928, The George Washington University; *Major:* History

Chace, Olive (A.M.) Md.
A.B. 1928, The George Washington University; *Major:* Political Science

Chapin, Margaret Dodge (A.M.) D. C.
A.B. 1928, Westhampton College; *Major:* English

†Chapman, Marion Louisa (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* History

Chase, William David (Ph.D.) D. C.
A.B. 1925, The George Washington University; M.S. 1927, The George Washington University; *Major:* Chemistry

Chitwood, Ben Goodwin (M.S.) D. C.
A.B. 1928, Rice Institute; *Major:* Chemistry

Clark, Kenneth Gross (Ph.D.) D. C.
B.S. 1920, University of Pittsburgh; Ch.E. 1923, University of Pittsburgh; M.S. 1927, The George Washington University; *Major:* Chemistry

Clough, Adelaide Crane (A.M.) Md.
A.B. 1926, The George Washington University; *Major:* History

Clubb, Edmund Oliver (A.M.) Wash.
A.B. 1927, University of Minnesota; *Major:* Political Science

Cobb, Agnes Livermon (A.M.) D. C.
A.B. 1927, Chowan College; *Major:* History

Codel, Ella April (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Psychology

*Cole, Mary J. (A.M.) Pa.
A.B. 1927, The George Washington University; *Major:* English

Connolly, Helen L. C. (A.M.) Mass.
A.B. 1928, The George Washington University; *Major:* Anthropology

*Cooper, Corinne (M.S.) Va.
A.B. 1928, The George Washington University; *Major:* Zoology

Cooper, June (A.M.) Md.
A.B. 1925, The George Washington University; *Major:* Botany

Cornish, Willis Alverson (A.M.) D. C.
B.Lit. 1924, Columbia University; *Major:* Psychology

Craft, Harold Albert (M.S.) D. C.
B.S. 1926, Pennsylvania State College; *Major:* Chemistry

Craig, William Boyd (A.M.) D. C.
A.B. 1924, Washington and Jefferson College; *Major:* English

†Creamer, Ansel Samuel (M.S.) D. C.
B.S. 1922, University of Maine; *Major:* Physics

Cullen, John Paul (A.M.) Wis.
LL.B. 1922, University of Notre Dame; A.B. 1928, The George Washington University; *Major:* English

*Cunningham, George M. (A.M.) D. C.
B.S. 1925, Princeton University; M.S. 1927, Massachusetts Institute of Technology; *Major:* Economics

†Curtis, Westley Farnsworth (A.M.) D. C.
A.B. 1920, Colorado College; *Major:* Physics

Daggett, Eldon Edmund (M.S.) Canada
B.S. 1928, University of New Brunswick; *Major:* Chemistry

*Deffenbaugh, Ruth (A.M.) D. C.
A. B. 1927, West Virginia University; *Major:* Home Economics

Denison, Irving Alson (Ph.D.) D. C.
B.S. 1920, University of Illinois; M.S. 1921, University of Illinois; *Major:* Chemistry

DeVoe, Maxwell A. (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

Dick, Frederick F. (Ph.D.) N. Y.
B.S. 1925, The George Washington University; M.S. 1927, The George Washington University; *Major:* Chemistry

Dickens, Paul DeWitt (Ph.D.) Ohio
A.B. 1922, Hiram College; *Major:* Political Science

*Dix, Helen (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

Doctor, Powrie Vaux (A.M.) Kans.
A.B. 1928, University of Kansas; *Major:* Political Science

*Dodder, Bernard T. (A.M.) Md.
B.S. 1925, Oklahoma Agricultural and Mechanical College; M.S. 1926, Iowa State College; *Major:* Economics

*DuBose, Camille (A.M.) D. C.
A.B. 1924, The George Washington University; *Major:* English

Dunlap, Walter Hanna (A.M.) D. C.
B.S. 1906, Washington and Lee University; *Major:* Economics

Durbrow, Elise May (A.M.) Calif.
A.B. 1926, Connecticut College; *Major:* Political Science

†Dyer, Helen Marie (M.S.) D. C.
A.B. 1917, Goucher College; *Major:* Chemistry

Earle, Frances Merritt (Ph.D.) S. C.
A.B. 1913, Winthrop College; M.S. 1926, Columbia University; *Major:* Economics

*Eckles, Anita Heurich (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Economics

Edwards, Ira (Ph.D.) Wis.
B.S. 1913, University of Rochester; M.S. 1914, University of Rochester; *Major:* Geology

†Eichner, Mildred VonEiff (A.M.) D. C.
A.B. 1924, The George Washington University; *Major:* History

Elgin, Ruth St. Clair (A.M.) Va.
A.B. 1924, The George Washington University; *Major:* History

Ellis, Walter Crocker (M.S.) D. C.
B.S. 1926, Tufts College; *Major:* Physics

Emery, Alden Hayes (Ph.D.) Md.
A.B. 1922, Oberlin College; A.M. 1923, Ohio State University; *Major:* Geology

Epstein, Samuel (M.S.) N. Y.
B.S. 1918, College of the City of New York; *Major:* Physics

Ewers, Alys Helen (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Psychology

Ewin, Mary (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Mathematics

Faick, Conrad A. (M.S.) Mont.
A.B. 1927, University of Montana; *Major:* Physics

Farrell, Agnes M. (A.M.) D. C.
A.B. 1928 The George Washington University; *Major:* Geology

Ferner, Florence Katharine (A.M.) D. C.
A.B. 1927, Syracuse University; B.S. 1928, Columbia University; *Major:* Political Science

Feustel, Irvin Carl (M.S.) D. C.
B.S. 1927, Washington State College; *Major:* Chemistry

Field, Dorothy Hood (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Mathematics

Fierstone, Cleon King (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Economics

Fisher, William Alfred (A.M.) D. C.
A.B. 1927, University of Maryland; *Major:* Economics

*Fitzpatrick, Paul Joseph (A.M.) Okla.
A.B. 1916, Catholic University; *Major:* Economics

†Forrest, Stanley S. D. C.
Major: Chemistry

Frydell, Thomas Atkins (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

†Galligan, Joseph Donald (M.S.) D. C.
B.S. 1928, University of Maryland; *Major:* Chemistry

*Gamble, James Alexander (Ph.D.) D. C.
B.S. 1909, Connecticut Agricultural College; M.S. 1917, The George Washington University; *Major:* Bacteriology

Gardner, Paul (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* History

†Garrett, Pan. Teeter (A.M.) Mont.
A.B. 1928, Manchester College; *Major:* Latin

†Giarratana, Joseph (A.M.) N. Y.
A.B. 1928, State University of Montana; *Major:* Physics

Gibson, Marjorie Russell (A.M.) D. C.
A.B. 1925, Ohio State University; *Major:* Home Economics

Gibson, Mary Snyder (M.S.) D. C.
A.B. 1928, The George Washington University; *Major:* General Science

Gilligan, Dorothy Lyle (A.M.) Calif.
A.B. 1928, Western Maryland College; *Major:* English

Gilliland, Ted Remond (M.S.) Miss.
B.S. 1927, California Institute of Technology; *Major:* Physics

Glass, Jewell J. (A.M.)
A.B. 1926, The George Washington University; *Major:* Geology

Goldberg, Michael (A.M.) Pa.
B.S. 1925, University of Pennsylvania; *Major:* Mathematics

*Goldsmith, Joseph Blackiston (M.S.) Va.
B.S. 1927, The George Washington University; *Major:* Engineering

Good, Newell E. (M.S.) Ohio
A.B. 1927, Heidelberg University; *Major:* Zoology

Goodemoot, Kenneth (M.S.) Mich.
B.S. 1928, Albion College; *Major:* Chemistry

Gookins, Herbert (A.M.) Colo.
A.B. 1925, University of Denver; *Major:* Political Science

Graff, George Umburger (A.M.) D. C.
B.S. 1928, The George Washington University; *Major:* Economics

Grant, Hugh Gladney (Ph.D.) Ala.
A.B. 1910, Howard College; A.B. 1912, Harvard University; A.M. 1916, Howard College; *Major:* Political Science

Gravatt, George Flippo (Ph.D.) Md.
B.S. 1911, Virginia Polytechnic Institute; M.S. 1912, Virginia Polytechnic Institute; *Major:* Botany

Graves, Florence Elizabeth (A.M.) Okla.
A.B. 1927, The George Washington University; *Major:* Sociology

Greenleaf, Carlos Adelbert (M.S.) D. C.
B.S. 1922, Clarkson College of Technology; Ch.E. 1925, Clarkson College of Technology; *Major:* Chemistry

Grover, Thomas Odell (Ph.D.) Utah
A.B. 1926, University of Utah; A.M. 1928, The George Washington University; *Major:* Psychology

Guerrieri, Salvatore Albert (M.S.) Mass.
B.S. 1923, Massachusetts Institute of Technology; *Major:* Chemistry

†Haire, Mildred Wright (A.M.) D. C.
B.S. 1926, Georgia State College; *Major:* Economics

Hall, Frederick Kilby (A.M.) Mass.
B.T.E. 1924, Lowell Textile Institute; *Major:* Economics

Hall, Marion Ethel (A.M.) D. C.
A.B. 1926, Goucher College; *Major:* Economics

Hall, Percival (M.S.) D. C.
B.S. 1922, Haverford College; B.S. 1924, Harvard Engineering School; *Major:* Physics

Hall, Wallace Leroy (M.S.) D. C.
A.B. 1925, The George Washington University; *Major:* Chemistry

Hamilton, Ann Sparks (A.M.) Ga.
A.B. 1926, The George Washington University; *Major:* History

*Hancock, John P. (M.S.) D. C.
B.S. 1921, Colgate University; *Major:* Chemsitry

†Hargrave, Nelle Quinn (A.M.) D. C.
A.B. 1923, Mississippi State College for Women; *Major:* English

Harris, Martha Elizabeth (A.M.) N. C.
A.B. 1927, The George Washington University; *Major:* Commerce

Harris, Robert E. (M.S.) S. D.
A.B. 1925, Sioux Falls College; *Major:* Chemistry

Harrison, Arthur P. (M.S.) Md.
A.B. 1928, The George Washington University; *Major:* Chemistry

Hartman, Arthur Meyer (M.S.) D. C.
B.S. 1924, The George Washington University; *Major:* Chemistry

Hassler, Howard Edward (M.S.) D. C.
B.S. 1927, University of Maryland; *Major:* Engineering

Haydon, Edith M. (A.M.) Va.
A.B. 1927, The George Washington University; *Major:* French

Heare, Gertrude Elizabeth (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Foreign Commerce

Heaton, Henry (A.M.) Va.
A.B. 1926, University of Virginia; *Major:* Philosophy

*Henderson, Edward P. (Ph.D.) Ohio
A.B. 1924, The George Washington University; M.S.1926, The George Washington University; *Major:* Mineralogy

Hensey, Melville Donald (M.S.) D. C.
C.E. 1926, University of Cincinnati; *Major:* Geology

Hershberger, William Delmar (A.M.) Iowa
A.B. 1927, Goshen College; *Major:* Physics

Hess, Walter Cohen (Ph.D.) D. C.
B.S. 1920, University of Pennsylvania; *Major:* Chemistry

Heurich, Karla Louise (M.S.) D. C.
B.S. 1928, Connecticut College; *Major:* Zoology

*Hilberg, Frank C. (M.S.) Mass.
B.S. 1924, University of New Hampshire; *Major:* Chemistry

Hogue, Caroline G. (A.M.) D. C.
B.S 1917, North Carolina College for Women; A.B. 1919, University of North Carolina; *Major:* English

Holmes, Thomas James (M.S.) Md.
B.S. 1924, University of Maryland; *Major:* Chemistry

†Hough, Eleanor Margaret (Ph.D.) D. C.
A.B. 1914, Wellesley College; A.M.1928, The George Washington University; *Major:* Economics

House, Matthew James (Ph.D.) D. C.
A.B. 1925, The George Washington University; A.M. 1927, The George Washington University; *Major:* Psychology

Houston, David F. (M.S.) D. C.
A.B. 1927, Carleton College; *Major:* Chemistry

Hubbard, Henry F. (A.M.) Md.
A.B. 1928, The George Washington University; *Major:* Psychology

Hubbell, Betty Ruth (A.M.) D. C.
A.B. 1927, Western Maryland College; *Major:* Political Science

Huber, Elbert Lowell (A.M.) Nebr.
A.B. 1928, The George Washington University; *Major:* History

Hull, Richard Ostrander (M.S.) D. C.
B.S. 1926, University of Colorado; *Major:* Chemistry

Irish, Oliver John (Ph.D.) D. C.
A.B. 1916, University of Iowa; M.S. 1924, The George Washington University; *Major:* Chemistry

Jackson, Carey Birdsong (M.S.) Miss.
B.S. 1928, Mississippi Agricultural and Mechanical College; *Major:* Chemistry

Jackson, Ruth (M.S.) D. C.
A.B. 1927, The George Washington University; *Major:* Bacteriology

James, William George (A.M.) England
A.B. 1927, The George Washington University; *Major:* Sociology

Jamison, Patty Ann (A.M.) Colo.
A.B. & T.D. 1926, The George Washington University; *Major:* English

†Jenkins, James Sidney (A.M.) D. C.
A.B. 1923, William and Mary College; *Major:* English

Jessup, Ralph Slocomb (A.M.) D. C.
B.S. 1914, Virginia Polytechnic Institute; *Major:* Physics

Jex, Garnet W. (M.S.) D. C.
A.B. 1927, The George Washington University; *Major:* Graphic Art

Jobe, William Theodore (M.S.) Md.
B.S. 1927, Bryson College; *Major:* Geology

Johnson, Falba Love (M.S.) S. C.
A.B. 1905, Columbia College for Women, S. C.; A.M. 1911, Columbia University; *Major:* Botany

Johnson, Grace May (A.M.) D. C.
B.S. 1913, Columbia University; *Major:* Archaeology

†Johnson, William D. D. C.
B.S. 1921, University of Chicago; *Major:* Geology

Jones, Evelyn Wellington (A.M.) D. C.
A.B. 1921, The George Washington University; *Major:* English

Jones, Helen Carty (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Psychology

Kaiser, Herman Frederick (M.S.) Nev.
B.S. 1928, University of Nevada; *Major:* Physics

Kane, Edward Anthony (M.S.) Mass.
B.S. 1924, Massachusetts Agriculture College; M.S. 1926, Catholic University; *Major:* Chemistry

Kean, I. Lill (M.S.) Ohio
A.B. 1928, Muskingum College; *Major:* Physics

*Kennedy, George Howe (M.S.) N. J.
A.B. 1928, Princeton University; *Major:* Chemistry

Kibbe, Ellen Turnellah (M.S.) Conn.
A.B. 1924, Mount Holyoke College; *Major:* Chemistry

Klein, Margaret Anna (A.M.) Pa.
A.B. 1926, The George Washington University; *Major:* History

Klekotka, Joseph Francis (M.S.) Pa.
B.S. 1926, Villanova College; *Major:* Chemistry

Kline, Emily Brown (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* History

Kline, John Reed (M.S.) Mo.
B.S. 1917, Missouri University; LL.B. 1926, The George Washington University; *Major:* Chemistry

Knapp, Bradford (Ph.D.) D. C.
B.S. 1925, Oklahoma Agriculture College; M.S. 1926, Iowa State College; *Major:* Zoology

*Kremer, Alvin Webster (A.M.) Va.
A.B. 1928, The George Washington University; *Major:* English

Krumboltz, Orus F. (M.S.) Iowa
B.S. 1927, Iowa State College; *Major:* Chemistry

Kuethe, Arnold Martin (M.S.) Wis.
A.B. 1926, Ripon College; *Major:* Physics

Kyner, Susanna Parker (M.S.) Md.
A.B. 1926, Goucher College; *Major:* Zoology

Lacaze, Eulalie (A.M.) Tex.
A.B. 1928, The George Washington University; *Major:* Spanish

Lake, Matalee Talbutt (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Philosophy

*Laleger, Grace Elizabeth (A.M.) D. C.
A.B. 1928, University of Maryland; *Major:* History

Landis, Florence Pugh (A.M.) D. C.
A.B. North Carolina College for Women; *Major:* English

*Lansdon, Henry Irvine (M.S.) D. C.
B.S. 1927, The George Washington University; *Major:* Chemistry

Lawrence, Mabel Ellen (A.M.) N. J.
A.B. 1925, Syracuse University; *Major:* French

Lee, Agnes Irene (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* Modern Languages

LeMenager, Marcelle (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

Lemon, Frank Martin (Ph.D.) Va.
A.B. 1919, University of Virginia; A.M. 1919, University of Virginia; *Major:* English

*Lill, Bernice Drake (A.M.) D. C.
A.B. 1916, Wellesley College; *Major:* Psychology

Lindley, Esther Smith (A.M.) Ind.
B.S. 1923, Indiana University; *Major:* Home Economics

Loane, Margaret L. (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

Lohmann, Elsa (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Economics

Love, Katherine S. (Ph.D.) Va.
A.B. 1917, University of Richmond; M.S. 1925, The George Washington University; *Major:* Chemistry

Luers, Edna May (A.M.) Md.
A.B. 1927, The George Washington University; *Major:* History

McBrien, Dean Depew (Ph.D.) D. C.
A.B. 1914, University of Nebraska; A.M. 1920, Columbia University; *Major:* History

†McClosky, William Thomas (A.M.) Va.
A.B. 1925, The George Washington University; *Major:* Zoology

*McCoy, John M. (M.S.) D. C.
B.S. 1927, Kansas State Agriculture College, *Major:* Physics

*McInnus, Marcellus (A.M.) Ala.
A.B. 1928, University of Alabama; *Major:* English

McIntyre, Alfonso Everett (A.M.) N. C.
A.B. 1927, University of North Carolina; *Major:* Commerce

McKinney, Robert S. (Ph.D.) Ohio
B.S. 1920, University of Cincinnati; M.S. 1928, The George Washington University; *Major:* Chemistry

McLain, James Leven (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

McLeroy, Bryant Z. (A.M.) La.
A.B. 1927, The George Washington University; *Major:* Mathematics

McMinimy, Mary Winifred (A.M.) Idaho
A.B. 1927, University of Maryland; *Major:* English

*McMurdie, Mary Ethel (A.M.) D. C.
B.S. 1927, Northwestern University; *Major:* Economics

Madonne, John Henry (A.M.) Tex.
A.B. 1927, Baylor University; *Major:* Political Science

Manion, Esther Ann (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Geography

Marsden, Margaret Agnes (A.M.) W. Va.
A.B. 1923, Trinity College; *Major:* Mathematics

Marshino, Ora (A.M.) Ky.
A.B. 1925, The George Washington University; *Major:* Political Science

Martin, James Louis (A.M.) Md.
A.B. 1928, The George Washington University; *Major:* Political Science

Matthews, Merla Glenn (A.M.) D. C.
B.S. 1920, Harrisonburg Normal School; A.B. 1927, The George Washington University; *Major:* English

May, Albert (A.M.) D. C.
A.B. 1921, Georgetown University; B. S. 1924, Catholic University; *Major:* Mathematics

May, Orville Edward (Ph.D.) Iowa
A.B. 1924, The George Washington University; M.S. 1926, The George Washington University, *Major:* Chemistry

†Maze, John Morgan (A.M.) D. C.
A.B. 1927, College of Ozarks; *Major:* English

Meisnest, Frederick Holmes D. C.
B.S. 1922, University of Washington; *Major:* Chemistry

*Meissner, Harmon Stimbert (M.S.) Utah
B.S. in C.E. 1922, University of Utah; *Major:* Engineering

*Mickey, LeRoy (M.S.) Pa.
B.S. in E.E. 1926, Syracuse University; *Major:* Physics

Middleton, William (Ph.D.) Va.
A.B. 1925, The George Washington University; A.M. 1923, The George Washington University; *Major:* Psychology

†Miles, Florence Gertrude (A.M.) Ohio
A.B. 1924, Oberlin College; *Major:* Economics

†Miller, David (Ph.D.) Conn.
B.S. 1926, Trinity College; A.M. 1927, Columbia University; *Major:* Chemistry

Miller, Harold Thomas (A.M.) D. C.
C.E. 1922, Rensselaer Polytechnic Institute; *Major:* Economics

Miller, John Charles (Ph.D.) D. C.
B.S. 1916, Missouri School of Mines; M.E. 1921, Missouri School of Mines; A.M. 1928, The George Washington University; *Major:* Geology

Miller, Ruby Robinson (A.M.) D. C.
A.B. 1924, Mercer University; *Major:* Psychology

†Milling, Gayly Wilkes (A.M.) D. C.
A.B. 1921, Baylor University; *Major:* Psychology

Mong, Lewis Eli (A.M.) D. C.
B.Ch.E. 1927, Ohio State University; *Major:* Chemistry

†Montague, Ludwell Lee (A.M.) Va.
A.B. 1928, Virginia Military Institute; *Major:* History

*Moodie, Edith Strickland (A.M.) D. C.
A.B. 1919, Ohio State University; A.B. 1928, New York University; *Major:* Psychology

Moore, Louise M. (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* History

†Moore, Mildred Josephine (A.M.) D. C.
A.B. 1920, The George Washington University; *Major:* English

Mori, Hideomi (A.M.) Japan
A.B. 1928, The George Washington University; *Major:* Political Science

Moriarty, Sarah Catherine (A.M.) W. Va.
A.B. 1926, Trinity College; *Major:* Mathematics

Morris, Henry McAllen (A.M.) D. C.
A.B. 1923, Davidson College; *Major:* Economics

Mothershead, Marjorie W. (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* English

Moulton, Edward Burton (Ph.D.) Ill.
A.B. 1923, The George Washington University; A.M. 1925, The George Washington University; *Major:* History

Moulton, Stanley Cheney (M.S.) Va.
B.S. 1918, University of Virginia; *Major:* Chemistry

Murphy, Mable Gant (Ph.D.) D. C.
A.B. 1912, Butler College; A.M. 1923, The George Washington University; *Major:* English

Murphy, Mallie John (A.M.) D. C.
A.B. 1908, Butler College; LL.B. 1910, Indiana Law School; *Major:* English

Newcombe, Josiah T. (Ph.D.) N. Y.
A.B. 1892, Williams College; A.M. 1926, The George Washington University; *Major:* Sociology and Economics

Niece, Helen Marguerite (A.M.) Pa.
A.B. 1911, Grove City College; *Major:* History

Niemeyer, Ernestine Helena (A.M.) D. C.
A.B. 1924, The George Washington University; *Major:* Botany

Nold, Marie Cuthbertson (A.M.) Minn.
A.B. 1919, The George Washington University; *Major:* Political Science

Northrop, Vernon D. (A.M.) Pa.
A.B. 1928, The George Washington University; *Major:* Economics

Offutt, Edna Venora (A.M.) D. C.
A.B. 1928, West Virginia University; *Major:* English

*Oliver, Harold J. (M.S.) Iowa
B.S. 1927, Iowa State College; *Major:* Physics

Omwake, Mary Louise (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Psychology

*O'Neill, Catherine Ann (A.M.) Md.
A.B. 1928, The George Washington University; *Major:* English

*Organ, John E. (A.M.) Ind.
A.B. 1928, The George Washington University; *Major:* Geology

†Osborne, John Broadus (A.M.) S. C.
A.B. 1916, Furman University; *Major:* English

Owens, James Thomas (A.M.) D. C.
B.S. 1917, Cornell University; *Major:* History

Pasma, Henry Kay (Ph.D.) Md.
A.B. 1910, Hope College; A.M. 1913; Hope College; *Major:* Philosophy

Paul, Marjorie (A.M.) D. C.
A.B. 1917, Goucher College; *Major:* English

Peirce, Lottie M. (A.M.) Ohio
A.B. 1927, The George Washington University; *Major:* Psychology

Pool, William (M.S.) D. C.
B.S. 1928, Miss. Agricultural and Mechanical College; *Major:* Chemistry

Poole, Martha Sprigg (Ph.D.) D. C.
A.B. 1927, The George Washington University; A.M. 1928, The George Washington University; *Major:* History

*Powell, William Jefferson (A.M.) Tex.
A.B. 1928, Simmons University; *Major:* Sociology

Pugh, Lacy R. (A.M.) Miss.
A.B. 1926, The George Washington University; *Major:* Political Science

Randall, Charles Edgar (A.M.) Calif.
A.B. 1920, Leland Stanford University; *Major:* English

†Rapier, Anne P. (A.M.) D. C.
A.B. 1923, The George Washington University; *Major:* Botany

Reardon, Lucy (Ph.D.) Va.
A.B. 1925, The George Washington University; A.M. 1926, The George Washington University; *Major:* Zoology

†Redmond, John C. (A.M.) D. C.
B.S. 1928, Hamilton College; *Major:* Physics

Reynolds, Dumond Stoddart (M.S.) D. C.
B.S. 1924, University of Denver; *Major:* Chemistry

*Reznek, Solomon (M.S.) D. C.
B.S. 1927, The George Washington University; B.S. in Chem. 1928, University of Maryland; *Major:* Chemistry

†Riggins, Goldye Belle (A.M.)
A.B. 1920 Greenville College; *Major:* English

Riley, Albert Austin (M.S.) Ohio
B.S. 1921, The George Washington University; Phar. D. 1916, The George Washington University; *Major:* Chemistry

†Rivnay, Ezekiel (Ph.D.) Palestine
B.S. 1926, Massachusetts Agricultural College; M.S. 1928, Massachusetts Agricultural College; *Major:* Zoology

Roberts, M. Clyde (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* English

Roesser, William Frederick (A.M.) D. C.
B.S. 1925, The George Washington University; *Major:* Physics

†Rosenberg, Charles (A.M.) Md.
B.S. 1924, University of Maryland; *Major:* Pathology

Rosenthal, Jacob (A.M.) N. Y.
A.B. 1928, The George Washington University; *Major:* Economics

Ross, Culbertson Whitfield (A.M.) Mich.
B.S. 1926, Alma College; *Major:* Physics

Rutledge, Alma Willis (A.M.) Md.
A.B. 1926, The University of Illinois; *Major:* English

†Sackett, Percy E. (A.M.) D. C.
A.B. 1928, University of Washington; *Major:* Economics

*Scheer, Sylvia (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Philosophy

†Schicktanz, Sylvester Thomas (M.S.) Ill.
B.S. 1928, University of Illinois; *Major:* Chemistry

†Schlager, Charles (A.M.) D. C.
A.B. 1925, Cornell University; *Major:* Economics

Schoenherr, Karl Ernes (M.S.) D. C.
B.S. 1922, Mass. Institute of Technology; *Major:* Physics

Scholl, Walter (M.S.) D. C.
Ch.E. 1923, University of Virginia; *Major:* Chemistry

Schultz, Fred W. (A.M.) Kans.
B.S. 1926, Kansas State Agricultural College; *Major:* Botany

Scanlan, John Thomas (Ph.D.) Ill.
B.S. 1923, University of Illinois; M.S. 1925, The George Washington University; *Major:* Chemistry

Service, Ruth Marion (A.M.) Md.
A.B. 1927, Swarthmore College; *Major:* English

Serviss, Frederick LeVerne (Ph.D.) D. C.
E.M. 1920, Colorado School of Mines; M.S. 1922, Colorado School of Mines; *Major:* Geology

*Sheridan, Lawrence Ward (M.S.) D. C.
A.B. 1928, Caniscus College; *Major:* Physics

*Sherwood, Winifred H. (A.M.) Colo.
A.B. 1925, The George Washington University; *Major:* History

Shewmaker, Lillian Alice (Ph.D.) D. C.
A.B. 1924, The George Washington University; A.M. 1925, The George Washington University; *Major:* English

Shinn, Clarice F. (M.S.) Ind.
A.B. 1923, The George Washington University; *Major:* Bacteriology

Shore, Dorothy Louise (A.M.) D. C.
A.B. 1928, The University of Michigan; *Major:* Anthropology

Shupe, Lola Elizabeth (A.M.) D. C.
A.B. 1926, College of Emporia; *Major:* Mathematics

Siders, Walter R., Jr. (A.M.) Idaho
A.B. 1927, The University of Idaho; *Major:* Economics

Sissman, Louis Pasteur (M.S.) Ill.
B.S. 1928, The University of Chicago; *Major:* Physics

*Skinker, Mary Scott (Ph.D.) D. C.
B.S. 1922, Columbia University; A.M. 1923, Columbia University; *Major:* Zoology

Sladen, William Milton (A.M.) D. C.
A.B. 1923, The George Washington University; *Major:* History

Smith, Frank (Ph.D.) N. Y.
A.B. 1926, The George Washington University; A.M. 1927, The George Washington University; *Major:* English

†Smith, Marjorie F. Va.
A.B. 1928, Oberlin College; *Major:* English

Snyder, Edwin H. (M.S.) Nebr.
A.B. 1928, Nebraska Wesleyan University; *Major:* Physics

Soosa, Nasim (A.M.) D. C.
B.S. in C.E. 1923, Colorado College; *Major:* Political Science

Sosa, Eduardo M. (A.M.) Panama
A.B. 1927, The George Washington University; *Major:* History

Spurr, Frank Arthur (M.S.) Iowa
B.S. 1921, The George Washington University; *Major:* Chemistry

Stabler, E. Kenneth (A.M.) Va.
B.S. 1926, University of Virginia; *Major:* English

†Stafford, Lawrence Egbert (A.M.) Minn.
A.B. 1926, The University of Minnesota; *Major:* Political Science

†Stalcup, George F. (A.M.) Okla.
B.S. in E.E. 1928, Oklahoma Agricultural and Mechanical College; *Major:* Chemistry

Starr, Robert Campbell (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Commerce

Steele, Marion Harlan (A.M.) Del.
B.S. 1928, Women's College, University of Delaware; *Major:* English

Stevens, Rollin Elbert (M.S.) D. C.
A.B. 1927, The University of South Dakota; *Major:* Chemistry

St. George, Raymond A. (Ph.D.) Va.
B.S. 1918, Massachusetts Agricultural College; M.S. 1923, The George Washington University; *Major:* Zoology

Stubbs, Joseph James (M.S.) D. C.
B.S. 1923, The Citadel; *Major:* Chemistry

Sullivan, Clara Parker (Ph.D.) D. C.
B.L. 1911, Brenau College; A.B. 1927, The George Washington University; *Major:* Psychology

Swain Esther Merle (A.M.) Mich.
A.B. 1927, The George Washington University; *Major:* Romance Languages

Sweeney, William T. (M.S.) Va.
A.B. 1927, The George Washington University; *Major:* Physics

Swenson, John Arthur (A.M.) Minn.
A.B. 1928, Gustavus Adolphus College; *Major:* Physics

Swygert, Helen (A.M.) D. C.
B.S. 1927, Winthrop College; *Major:* English

Sydenstricker, Vivian A. (A.M.) Ga.
A.B. 1924, Presbyterian College of South Carolina; *Major:* English

Taggart, Donna Gustin (A.M.) D. C.
B.F.A. 1921 University of Nebraska; *Major:* Philosophy

*Taggart, Giles Russell, Jr. (A.M.) D. C.
A.B. 1924, University of Western Ontario; *Major:* French

Taliaferro, Julia Crawford (A.M.) Va.
A.B. 1927, The George Washington University; *Major:* Psychology

*Taylor, Frank Augustus (A.M.) D. C.
B.S. in M.E. 1928, Massachusetts Institute of Technology; *Major:* Economics

Tchomoneff, Nada (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Economics

Teele, Ray Palmer (M.S.) D. C.
B.S. in E.E. 1927, University of Michigan; *Major:* Physics

*Tener, Rees Ferneau (Ph.D.) D. C.
A.B. 1920, Marietta College; M.S. in Chem. 1926, The George Washington University; *Major:* Chemistry

Tennyson, Joseph Burch (M.S.) D. C.
A.B. 1928, The George Washington University; *Major:* Zoology

Thom, Emma Mertens (A.M.) D. C.
A.B. 1904, Hollins College; *Major:* Geology

†Thomas, Carleton (A.M.) D. C.
A.B. 1929, The George Washington University; *Major:* Psychology

Titus, Harry W. (Ph.D.) D. C.
A.B. 1918, University of Wyoming; A.M. 1925, University of Wyoming; *Major:* Chemistry

Tomelden, Arthur Anthony (M.S.) P. I.
B.S. 1924, Catholic University; *Major:* Mathematics

*Tucker, Howard Martin (A.M.) D. C.
B.S. 1927, Bowdoin College; *Major:* Mathematics

Tuckerman, Mrs. Una Venable (A.M.) Md.
A.B. 1899, Cincinnatti University; *Major:* English

Ullrey, Mark Arthur (M.S.) Mich.
B.S. 1928, Michigan State College; *Major:* Physics

Usilton Lida J. (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Economics

Vaiden, Ermyntrude V. (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Latin

†Valck, Jeannette (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* English

†Vickers, Rose Margaret (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Anthropology

Walker, Frances E. (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Latin

Wallace, Florence C. (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Psychology

Walker, Reed (M.S.) N. Y.
A.B. 1928, University of Utah; *Major:* Chemistry

Wallerstein, Harry (M.S.) D. C.
A.B. 1927, The George Washington University; *Major:* Chemistry

†Walsmith, Retta Esther (A.M.) Ill.
A.B. 1929, The George Washington University; *Major:* Psychology

Walter, Eva M. (A.M.) D. C.
A.B. 1923, The George Washington University; *Major:* History

Walton, George P. (Ph.D.) Pa.
B.S. 1912, The George Washington University; M.S. 1925, The George Washington University; *Major:* Chemistry

Walton, William Winfield (M.S.) N. Y.
B.S. 1927, Pennsylvania State Forest School; *Major:* Chemistry

Wangler, John George (Ph.D.)
B.S. 1922, Syracuse University; M.S. 1925, The George Washington University; *Major:* Chemistry

Webb, Wanda (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

*Weber, Raymond Charles (A.M.) Pa.
A.B. 1926, The George Washington University; *Major:* Philosophy

Weihe, Herman D. (M.S.) D. C.
B.S. 1927, The George Washington University; *Major:* Chemistry

Wetherill, John Price (Ph.D.) Md.
B.S. 1927, The George Washington University; M.S. 1928, The George Washington University; *Major:* Chemistry

†White, Cecil Thayer (A.M.) Tex.
A.B. 1928, Southwestern University; *Major:* Economics

Whitesell, Dena M. (A.M.) Va.
B.S. 1927, Columbia University; *Major:* English

Whitmore, Eugene R. (M.S.) D. C.
B.S. 1896, University of Wisconsin; M.D. 1899, University of Illinois; D.Phar. 1920, Johns Hopkins University; *Major:* Botany

Willett, Hurd C. (Ph.D.) D. C.
B.S. 1924, Princeton University; *Major:* Meteorology

Williams, James Stewart (Ph.D.) Utah
B.S. 1923, Brigham Young University; A.M. 1927, Columbia University; *Major:* Geology

Wilson, Agnes Wallace (A.M.) Ind.
A.B. 1927, The George Washington University; *Major:* Economics

Wilson, Mildred Althea (A.M.) Wis.
A.B. 1927, Northland College; *Major:* History

*Wimer, Martha Elizabeth (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* French

*Wine, Russell Lafayette (A.M.) Fla.
M.S. 1923, Virginia Polytechnic Institute; *Major:* Mathematics

Winter, Violet E. (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Library Science

Wong, Wensan (Ph.D.) China
A.B. 1923, Boone University, China; M.S. 1928, Columbia University; *Major:* Political Science

*Wood, William Edwin (M.S.) Utah
B.S. 1925, Utah Agricultural College; *Major:* Mathematics

Woodworth, Anita Belle H. (A.M.) Ind.
A.B. 1928, The George Washington University; *Major:* English

Woolard, Edgar William (Ph.D.) D. C.
A.B. 1923, The George Washington University; A.M. 1926, The George Washington University; *Major:* Meteorology

Wormser, Hazel M. (M.S.) Kans.
A.B. 1928, The George Washington University; *Major:* Botany

*Wright, Elsie Star (M.S.) Va.
A.B. 1927, The George Washington University; *Major:* Zoology

†Yoder, Bessie Lee (A.M.) D. C.
A.B. 1915, The George Washington University; *Major:* English

*Yongue, Norman Estes (M.S.) S. C.
B.S. 1924, The Citadel; *Major:* Chemistry

Young, Grace Victoria (M.S.) D. C.
A.B. 1927, The George Washington University; *Major:* Chemistry

*Young, Hazel Corrine (A.M.) Mass.
A.B. 1918, Radcliffe College; *Major:* Psychology

Zitt, Vernal M. (M.S.) Fla.
A.B. 1924, University of California; *Major:* Psychology

STUDENTS IN ATTENDANCE

Allen, Philip Harper Tex.
A.B. 1923, West Texas State Teachers College; M.S. 1926, University of Iowa

*Aulick, Charles Eugene D. C.
B.S. 1923, Virginia Polytechnic Institute

Baraff, Charles D. C.
B.S. 1924, College of the City of New York; A.M. 1925, The George Washington University

†Curran, Mildred Eleanor D. C.

Gelhaus, Cornelius William D. C.
B.S. 1919, St. Johns College

†Hicks, Mildred M. Va.
A.B. 1921, Randolph-Macon Woman's College; M.S. 1925, University of Iowa

Jones, Florence M. Nebr.
A.B. & T.D. 1926, The George Washington University

Lamar, Edward S. Md.
A.B. 1926, The George Washington University; A.M. 1928, The George Washington University

MacMillan, Julia Theckla D. C.
B.S. 1907, The George Washington University; M.S. 1911, The George Washington University

Nolan, Willis James D. C.
A.B. 1914, Western Reserve University; A.M. 1917, University of Illinois

Norton, Evelyn Maurine — Nebr.
A.B. 1926, University of Nebraska

Pehrson, Elmer Walter — D. C.
A.B. 1920, Leland Stanford University

*Piper, Carol S. — Mich.
A.B. 1927, Wellesley College

*Sanborn, Norris Henry — D. C.
B.S. 1922, The George Washington University; M.S. 1923, The George Washington University

Sanders, George P. — D. C.
B.S. 1918, University of Minnesota; M.S. 1923, University of Minnesota

Shapiro Samuel — D. C.
A.B. 1926, The George Washington University

Smith, Audley Lawrence — D. C.
A.B. 1923, The George Washington University; A.M. 1924, The George Washington University

Stadnichenko, Taisia Maximovna — D. C.
Tapley, Gladys — Ala.
A.B. 1924, LaFayette College; A.M. 1925, The George Washington University

†Tilly, Katharine — Tenn.
A.B. 1924, Emory and Henry College; A.M. 1927, Scarrett College

*Whitcomb, Emeline S. — D. C.

Whitlock, Carolyn — Ind.
A.B. 1910, Valparaiso University; A.M. 1923, The George Washington University

Wibirt, Margaret B. — Va.
A.B. 1925, The George Washington University

THE SCHOOL OF MEDICINE

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

FOURTH YEAR

Alexander, LeBeryl Henderson — Okla.
B.S. 1927, Oklahoma University

Alpher, Isadore M. — D. C.
A.B. 1926, George Washington University

Andrus, Lenard Milo — Idaho
B.S. 1920, Utah Agricultural College

Baber, John Marion — D. C.
LL.B. 1922, Georgetown University; LL.M. 1923, Georgetown University

Bachrach, Louis Bernard — D. C.

Baty, William Copeland, Jr. — Ala.
A.B. 1924, University of Alabama

Boaz, Thenton David — Ky.

Brown, Omar Jesse — N. C.
A.B. 1925, George Washington University

Buckley, Frank Joseph — N. Y.

Cerone, Daniel Malcolm — N. J.

Cohen, Nat Bertram — N. J.
A.B. 1926, George Washington University

Cromer, Jerry Keith — Va.

D'Angelo, John Vincent — N. Y.

Dankberg, Julius — N. Y.
B.S. 1924, Columbia University

DeNatale, Frederick Joseph — N. Y.

Eisenstein, Victor William — Pa.
B.S. University of Pittsburgh

Flohr, Martin Carroll — Va.
A.B. 1926, George Washington University

Frankenthaler, Sylvan A. — N. Y.

Fruchter, Harold — N. Y.
A.B. 1925, George Washington University

Garcia, David E. — P. R.

Gard, Perry William — Md.

Genco, Victor — N. Y.

Gibson, John Paul — D. C.
A.B. 1925, Abilene Christian College

Gilbert, Harry A. — Okla.
A.B. 1926, George Washington University

Gilfoy, Francis Elmer — Mass.

Goldenberg, Morris H. — N. Y.
A.B. 1926, George Washington University

Goodman, E. Leonard — D. C.
A.B. 1926, George Washington University

Gould, Vincent C. — Canada

Harmon, Robert Howe — D. C.
A.B. 1915, Millsaps College

Heighes, Melville Lynwood — Pa.
A.B. 1926, George Washington University

Hess, Dowe Scott

Heyl, Kiesaling Alice — D. C.
A.B. 1925, Cornell University

Kessler, Leo — D. C.
A.B. 1926, George Washington University

Leonardo, Alexander S. — N. Y.

Levin, Isadore — D. C.

Lewis, Ned Arthur — N. Y.

Lieberman, Jess J. — N. Y.
A.B. 1926, George Washington University

Litteral, Emmett Bryan — Mo.
A.B. 1925, George Washington University

Litvin, Philip — D. C.

Long, William Ellis — D. C.

Lowden, Henry Marshall — Md.

McCarthy, Leonard Daniel — D. C.
A.B. 1925, George Washington University

McLain, George Henry — D. C.
A.B. 1926, George Washington University

McLain, John Edward — D. C.
A.B. 1926, George Washington University

Miller, Herman Paul — N. J.
B.S. 1926, New York University

Missonellie, William — N. Y.

Morgan, Theron Harvard — Ohio
A.B. 1926, Ohio University

Norell, Oscar — Maine
A.B. 1923, University of Maine

Novick, Joel N. — N. Y.
B.S. 1923, College of the City of New York

Piazza, Ferdinand — N. Y.
B.S. 1926, College of the City of New York

Sadoff, Joseph — N. J.

Safran, Louis — N. Y.
B.S. 1925, College of the City of New York

Santemma, Esterino Elia — N. Y.
B.S. 1926, New York University

Schwarzman, John U. — Va.

Sena, Frank Wendall — N. J.

Sherman, Benjamin — Conn.

Silverstein, Bernard — N. Y.
B.S. 1925, College of the City of New York

Tabor, Blanche — Va.
A.B. 1922, George Washington University

Tickner, Louis — Pa.
A.B. 1927, George Washington University; Ph.G. 1923, Philadelphia College of Pharmacy

Washington, Daniel Boone — D. C.
A.B. 1926, George Washington University

*Wigderson, Charles Bernard — N. Y.
B.S. 1925, College of the City of New York

THIRD YEAR

Algozer, Alfonso Leonard — N. Y.
Allison, James Clement — D. C.
Barber, Donald Cole — Ohio
B.F.S. 1926, Georgetown University
Boyden, Robert Claibourne — N. Dak.
Breslow, Samuel — N. J.
Calandrella, Ralph — Conn.
Campbell, George K. — Mo.
A.B. 1927, George Washington University
Cardwell, John Leland — D. C.
Carrozza, Natale Salvatore — N. Y.
DeStio, Daniel S. — Pa.
Delgrego, Arthur Leo — Conn.
Dobkin, Joseph Jacob — D. C.
Detweiler, William Shambough — Va.
Eastlack, William Lloyd — N. J.
Fox, L. Otis — N. Y.
Gentile, Luciano F. — N. Y.
Gibson, Stuart Bentley — Pa.
Grieco, Gaetano — N. Y.
Griffin, Edgar Deucher — D. C.
A.B. 1927, George Washington University
Jones, Benjamin L. — Pa.
Kardys, John Albert — Conn.
Katz, Max — D. C.
Katzman, Sollie — D. C.
Keller, Ira Allen — N. Y.
B.S. 1923, College of the City of New York
Kelly, Fred Robert — Ohio
Lavine, Oscar — D. C.
Liccese, Emanuel — N. J.
B.S. 1926, New York University
Marbury, John Bayne — D. C.
Marinello, Joseph Faraday — N. Y.
B.S. 1926, College of the City of New York
Martone, Edward Jay — N. Y.
Meade, Spencer Vincent — D. C.
A.B. 1927, George Washington University
Merlo, Francis — N. J.
B.S. 1927, New York University
Morrock, Samuel — N. Y.
New, John Adam — Pa.
Orem, John Manly — D. C.
Paganelli, Hugo Raphael — N. Y.
Parker, Howard Pope — D. C.
Purpura, John A. — N. Y.
Quinn, David Edman — Ohio
B.S. 1924, Allegheny College
Rod, Isadore — D. C.
A.B. 1927, George Washington University
Rothman, Herman — Pa.
B.S. 1928, University of Pittsburgh
Sanchez, Luis Antonio — P. R.
Scalzo, John James — N. Y.
Schneider, William — N. Y.
B.S. 1927, New York University; B.S.M. 1928, University of Kansas
Schwartzman, Aaron — D. C.
A.B. 1927, George Washington University
Speer, Alma Jane — D. C.
A.B. 1913, University of Texas; M.A. 1926, George Washington University
Stoen, Bennett A. — Minn.
Tabb, Sam L. — D. C.
A.B. 1927, George Washington University
Vita, Frank Joseph — N. J.
Wallerstein, Harry — D. C.
A.B. 1927, George Washington University
Weber, George Samuel — D. C.
Weinstein, Max Jacob — D. C.
Weisman, Joseph C. — N. Y.
Ph.G. 1924, Columbia University; B.S. 1928, University of Missouri
Wilson, Nat Joseph — Conn.
A.B. 1926, George Washington University

SECOND YEAR

Aybar, Jose Angel — P. R.
Ball, George Lindsay — D. C.
Beam, Vernon Boulter — Canada
Bolton, Robert Meston — D. C.
Boyer, Milton McKendree — Md.
A.B. 1928, The George Washington University
Bucciarelli, John A. — Conn.
Burbidge, John Raymond — Idaho
Cajigas, Mariano — P. R.
Campbell, Neil Porter — D. C.
Campus, Bernard — N. Y.
Caprio, Frank Samuel — N. J.
A.B. 1927, University of Pennsylvania
Cardona, Angel A. — P. R.
Carotenuto, Ralph — N. Y.
Carroll, Charles Troll — D. C.
Casey, Jesse Frank — D. C.
A.B. 1925, Guilford College
Casanova, Luis E. — P. R.
Castillo, Julio Carlos — P. R.
A.B. 1928, The George Washington University; B.S. 1928, Pennsylvania State College — D. C.
Clements, William Heman — Va.
A.B. 1928, The George Washington University — Md.
Cooper, Albert Derwin — N. M.
Crowther, Aloha Hare — N. Y.
B.S. Phar. 1927, The George Washington University
Culpepper, Albert Lloyd — N. J.
A.B. 1926, University of New Mexico
Cuozzo, Michael A. — D. C.
Ph.G. 1924, Columbia University
D'Ambola, Philip Ralph
Dengler, Ernest Harry
A.B. 1928, The George Washington University

Diamond, Harry Davis — N. Y.
DiFino, Felix Joseph — N. J.
A.B. 1926, Columbia University
DiLorenzo, Gaspare — N. Y.
B.S. 1926, College of the City of New York
Distefano, Michael S. — N. Y.
B.S. 1927, College of the City of New York
Dowling, Harry Filmore — D. C.
A.B. 1927, Franklin and Marshall College
Eisenberg, Herman — D. C.
Ershler, Irving — N. Y.
A.B. 1928, The George Washington University
Fernandez, Ricardo F. — P. R.
Fortgang, Harry King — N. Y.
Fox, Thomas Holland — N. Y.
B.S. 1927, St. John's College
Friedman, Irving — N. Y.
Gary, Edward Thomas — D. C.
A.B. 1927, The George Washington University
Green, Holland Harvey — Ind.
A.B. 1928, The George Washington University
Greenberg, Louis William — N. Y.
A.B. 1927, The George Washington University
Harrison, Susan-Ish — Va.
Heath, Alma F. — Idaho
Henson, Rex Thomas — Idaho
A.B. 1927, The George Washington University
Hernandez, Jose A. — P. R.
Jacobson, Murray Benson — N. J.
A.B. 1927, Ohio State University
Jarvis, James Raymond — D. C.
A.B. 1927, Ohio State University
Kossow, Maurice J. — D. C.
LeHew, Allen Edwin — D. C.
A.B. 1928, The George Washington University
Letofsky, Samuel — N. Y.
Lewis, E. Wayne — Utah
B.S. 1927, Brigham Young University
Maggio, George Anthony — N. J.
A.B. 1928, Columbia University
Martin, Wilbur Wynn — D. C.
Mattingly, Richard Vinton — D. C.
LL.B. 1919, Georgetown University; LL.M. 1921, Georgetown University; M.P.L. 1921, Georgetown University; A.B. 1928, The George Washington University
McCarthy, Robert J. — Pa.
McGreevy, Joan Frances — D. C.
Mezitis, Fofo — D. C.
A.B. 1928, The George Washington University
Miller, Beveridge — D. C.
A.B. 1927, The George Washington University
Miller, Saul Martin — N. Y.
A.B. 1927, Cornell University
Mohr, Charles Franklin — R. I.
Mollica, John J. — N. Y.
B.S. 1927, Fordham University
Nicosia, Joseph John — N. Y.
Parker, Elizabeth Katharine — D. C.
A.B. 1924, Brenau College
Petruska, Albert John — N. J.
Pietropinto, Donato — N. Y.
B.S. 1927, New York University
Pozzi, Gustave Lawrence — R. I.
Ramsdell, Mary Alice — Tex.
A.B. 1927, University of Texas
Rojas, Eli Samuel — P. R.
Rosenberg, Seymour J. — Calif.
Scarborough, Dorothy Lee — Tex.
A.B. 1928, The George Washington University
*Scarborough, Marianne — Tex.
Schreiber, Maurice Milton — N. Y.
B.S. 1928, New York University
Schubert, Roy R. — N. J.
Seckler, Samuel — N. Y.
B.S. 1926, College of the City of New York; M.S. 1927, The George Washington University
Segaul, Herman J. — N. Y.
A.B. 1928, The George Washington University
Sichi, William T. — D. C.
Simon, Charles — N. Y.
Siniscal, Arthur Alfred — N. J.
Slipyan, Alvin — N. Y.
Solet, Leo — D. C.
Vartebedian, Leo — Mass.
Vicente-Mastellari, Amadeo — Panama
Weitzman, Harry Samuel — D. C.
Whisman, James Joseph — D. C.
Wyman, George Parker — Ohio
A.B. 1928, Baldwin-Wallace College
Zingaro, Frank Florindo — N. Y.
B.S. 1927, College of the City of New York

FIRST YEAR

Adler, Harry — N. Y.
A.B. 1928, The George Washington University
Alpert, Henry Rowland — N. Y.
Amster, Milton William — N. Y.
Baker, Arthur Gorham — D. C.
A.B. 1928, Swarthmore College
Barr, William Carlisle — D. C.
Beacher, Abraham — N. Y.
Bellafiore, Vincent James — N. Y.
Biondo, Paul M. — Pa.
Birnberg, William Irving — N. Y.
A.B. 1928, The George Washington University
Blajwas, Abe — D. C.
Blakiston, William Stone — Md.
Blank, Henry — N. Y.
Boas, Louis Charles — N. Y.

Boot, Harry E. — Pa.
Boswell, Robert Echo — Ohio
Bressler, David M. — N. Y.
Calderon, Aureo — P. R.
Chase, Albert Stillman — Calif.
A.B. 1928, University of Southern California
*Clintron, Miguel — P. R.
Cliff, Arthur Edgar — Mass.
Conway, William F. — D. C.
Croft, Gordon Yan — Utah
B.S. 1923, Utah Agricultural College
Crain, Darrell C. — D. C.
Dick, Morris Marcus — N. Y.
A.B. 1928, The George Washington University
DiGregorio, Arnold — N. Y.
Douglas, Harry Samuel — N. Y.
Edmonston, Raphael Allen — D. C.
Elias, Shaiker Thomas — Pa.
B.S. 1928, University of Pittsburgh
Elkins, Earl C. — Mont.
A.B. 1927, Buena Vista College
Enyart, Hugh Martin — Ind.
A.B. 1927, Butler University; B.S. 1928, Butler University
Fleck, Charles Hayden — Pa.
Foster, Major Schuessler — Ala.
B.S. 1928, Alabama Polytechnic Institute
Fowler, William McDaniel — N. C.
Glover, Mervin Wilbur — D. C.
Gonzalez, Pablo — Ariz.
Gordon, Stanley Joseph — Pa.
Heilman, Charles — D. C.
Hoffman, Isidore Louis — N. Y.
Hoyt, John Mitchell — D. C.
A.B. 1928, The George Washington University
Jackson, John McIver — Va.
A.B. 1928, Washington and Lee University
Jones, Howard Allen — Va.
B.S. 1925, The George Washington University
Kennedy, John Joseph — N. Y.
Kerrigan, T. Robert — Pa.
B.S. 1927, University of Pittsburgh
Klein, Milton — N. Y.
A.B. 1928, The George Washington University
Klesner, Samuel Franklin — Mich.
A.B., Kalamazoo College

Kroll, Max — N. Y.
Lafsky, Benjamin Paul — D. C.
Lichtman, Abraham Paul G. — D. C.
Mangold, Anthony Joseph — Pa.
Marquez, Francisco A. — P. R.
Martin, Basil Ferguson — Pa.
McLean, Charles Dorsey — Pa.
Mejia, Raymond — D. C.
Melich, Edward Idel — N. J.
Mendelsohn, Matthew — D. C.
Mitchell, Arthur Vernon — R. I.
A.B. 1928, The George Washington University
Mitchell, Ona F. — W. Va.
*Montani, Rocco Joseph — N. J.
A.B. 1928, The George Washington University
Mulhern, Willis Henry — Pa.
Olson, Robert Mortimer — Va.
Nelson, George Bailey — Md.
Orlean, Harry — D. C.
Passalacqua, Jose R. — P. R.
Richtmeyer, Duane Case — Va.
Robberson, Morton Earle — Okla.
*Rodenbaugh, Frederick H. — Ohio
Rosenfeld, Hyman Samuel — N. Y.
A.B. 1928, The George Washington University
*Sampson, Howard Erwin — N. Y.
Schiffer, Harry Bernard — Md.
Schnauffer, William — Pa.
A.B. Washington College; M.A. The George Washington University
Shaffer, Lester Miller — Pa.
B.S. Susquehanna College
Shaffer, Charles Merritt — N.C.
B.S. Susquehanna College — N. J.
Shaw, Joseph Tate — Md.
Shoemaker, Norman Imlay — D. C.
Smith, Hewitt Wyatt — S. C.
Smoot, Kenneth MacLean — D. C.
Sox, Carl Caughman — D. C.
Steinman, H. Erwin — D. C.
Strawbridge, Francis Neilson — D. C.
Stubbs, Donald Harrison — Pa.
*Studdiford, Walter S. — Utah
Susan, Frank Augustine — P. R.
Tanner, Ivins S. — Va.
Troche, Carmen — D. C.
Weeks, William Addison — Conn.
Weinstein, David Louis — Pa.
Whittier, Irving Maurice — Utah
Williams, Angelo Muollo
Wootton, Roland Henry

THE SCHOOL OF NURSING

CANDIDATES FOR DIPLOMA IN NURSING

THIRD YEAR

Athey, Hazel Gail	W. Va.	Law, Mary Catherine	Va.
Brunner, Lucille Cerscentia	Minn.	Marmaduke, Ruth Bayne	Va.
Carroll, Addie May	La.	Powell, Alma Loree	W. Va.
Erb, Esther Marie	Pa.	Purvis, Georgia Corinne	Va.
Farrell, Katherine Agnes	Md.	Schmid, Mary Edith	Va.
Fletcher, Beatrice Elizabeth	Va.	Seward, Roberta Alice	Ind.
Graham, Edith May	Va.	Shaw, Velma Christine	N. C.
Haley, Kathleen Elizabeth	Va.	Toms, Flora May	Pa.
Hartman, Grace Elizabeth	Pa.	Wolverton, Dorothy Lucille	D. C.
Hyatt, Margaret Whitmore	W. Va.		

SECOND YEAR

Browne, Ida Adella	S. C.	Hess, Miriam Frances	Pa.
Cherney, Victorine Laurel	Iowa	Nelson, Anna Mae	Md.
Cunningham, Elizabeth Louise	W. Va.	Pettit, Jane Mason	Mich.
Deane, Roberta Naoma	D. C.	Rafter, Virginia Elizabeth	W. Va.
Erb, Naomi Zug	Pa.	Sette, Mary Celeste	Conn.
Feagans, Mildred Annis	Va.	Stouffer, Olive May	Pa.
Fry, Wilma Gertrude	Mich.	Wall, Jessie Pearl	N. C.
Herndon, Alma Adelaide	N. C.	White, Lillian	Md.

FIRST YEAR

Bell, Grace	Md.	Moore, Nancy Noble	Va.
Cox, Beatrice Alberta	W. Va.	Moy, Nellie	D. C.
Culp, Loretta R.	Mich.	Porter, Thelma	Md.
Cunningham, Catherine Virginia	W. Va.	Richard, Mary Catherine	Va.
Daffron, May Joncie	N. C.	Ridenour, Jane Hammond	Md.
Dodd, Grayce Lucille	Va.	Spotts, Agnes Virginia	W. Va.
Goodman, Idalee	Va.	Swiger, Dorothy Mae	W. Va.
Harris, Gladys	W. Va.	Tarpley, Pauline E.	S. C.
Janes, Dorothy Lee	D. C.	Wachter, Evelyn Mae	Md.
Martin, Hazel Inez	N. C.	Watson, Marion Carter	N. C.

THE LAW SCHOOL

CANDIDATES FOR THE DEGREE OF MASTER OF LAWS

Carlson, George Russell — D. C.
LL.B. 1924, DePaul University

Dickson, Cyril Porter — Colo.
A.B., LL.B. 1928, University of Denver

†Hamilton, William Greene — Ark.
A.B. University of Arkansas; LL.B. 1924, The George Washington University

†Harden, Fred Geer — Nebr.
A.B. 1907, A.M. 1908, University of Nebraska; LL.B. 1919, The George Washington University

Harris, Howard Dodds — Ohio
LL.B. 1926, The George Washington University

†Herr, George Swartz — Pa.
A.B. 1926, LL.B. 1923, The George Washington University

†Hopping, Louis M. — Ill.
A.B. 1924, LL.B. 1927, The George Washington University

Hosmer, Charles Bridgham — Me.
LL.B. 1911, University of Maine

Kirkland, James Robert — Del.
A.B. 1927, LL.B. 1928, The George Washington University

Landrum, Carl Richmond — Mo.
LL.B. 1925, University of Oklahoma

Mersch, Victor Sylvester — D. C.
A.B. 1925, The George Washington University; LL.B. 1923, Georgetown University

Morina, Ferdinando — D. C.
LL.B. 1925, The George Washington University

*Oliver, Ernest H. — Utah
LL.B. 1925, The George Washington University

Shalowitz, Aaron Louis — Md.
LL.B. 1926, Georgetown University

†Simpson, Vivian Virginia — D. C.
A.B. 1925, LL.B. 1927, The George Washington University

Smith, Ardis Adela — Iowa
A.B. 1923, LL.B. 1927, The George Washington University

Swecker, John Preston — Va.
LL.B. 1928, The George Washington University

*Tillema, John Albert — D. C.
A.B. 1914, Hope College; A.M. 1917, University of Michigan; Ph.D. 1924, Washington University; LL.B. 1928, The George Washington University

CANDIDATES FOR THE DEGREE OF BACHELOR OF LAWS

THIRD YEAR

Abramowitz, Morris — Conn.

Arick, Ned William — Ind.
A.B. 1926, Wabash College

*Avis, Samuel Brashear — W. Va.

Barber, Leight Fuller — Md.
A.B. 1926, Harvard University

Barley, J. Frank — Ill.

Barrick, Charles Wade — Ill.

Barrow, Clarence R. — Calif.

Baughman, Wilbur Norman — Fla.
B.S. 1926, University of Pennsylvania

Bendheim, Leroy Schwarz — Va.
A.B 1928, The George Washington University

Bentley, Fay Louise — Ill.
Ph.B. 1918, University of Chicago

Blackman, Harold Stephen — Mo.
A.B. 1922, Missouri State Teachers College

Bogorad, Samuel — D. C.

*Bowden, Bernice Saunders — Va.

†Box, John Calvin, Jr. — Tex.
A.B. 1928, The George Washington University

Brand, Vance — Ohio

Brandt, George Franklyn — Tenn.

Brown, Lynn H. — Kans.
A.B. 1923, University of Kansas

Bryan, Henry Eugene — Ohio

Callister, Reed Eddington — Utah

Cannon, John Quayle, Jr. — Utah

Carey, Stephen Jay — D. C.

*Carruth, William Theron — Utah

Casanova, Arturo Ynocencio — D. C.
B.Sc. in C.E. 1922, Carnegie Institute of Technology

Casteel, Elizabeth Gall — N. C.

Cavanaugh, Ernest Denning — Md.
A.B. 1921, Duke University; M.A. 1926, The George Washington University

Cherbonnier, Andre Victor — Mont.
Graduate, 1921, U. S. Naval Academy

Churchwell, William Henry — Md.

*Clagett, John Francis — N. J.
A.B. 1923, University of Maryland

Clark, Rollin Marlmeston
B.S. in M.E. 1920, University of Pennsylvania

Cochran, Philip James — W. Va.
A.B. 1922, West Virginia University

Coe, Allen — Md.
A.B. 1927, The George Washington University

Cogswell, Richard Upton — N. H.
Ph.B. 1925, University of Vermont

*Cowley, Samuel P. — Utah
B.S. 1925, Utah Agricultural College

Crews, Maurice Augustus — D. C.
A.B. 1926, The George Washington University

Croggan, Mary Esther — D. C.

Cullen, William G. — Okla.
A.B. 1916, University of Oklahoma

*Davies, Ronald Norwood — N. Dak.
A.B. 1927, University of North Dakota

Davison, Clarence Clarke — N. J.

Dinwoodey, Charles Dean — Idaho
A.B. 1925, University of Utah

Donaldson, Kenneth — D. C.
C.E. 1924, Lehigh University

Donovan, Lucile — Ind.

Doyle, James Henry — N. Y.
Graduate, 1920, U. S. Naval Academy

*Dunham, Paul Overing — Wis.
B.S. 1924, University of Wisconsin

*Earl, Donald Edward — Minn.
B.S. 1924, M.S. 1925, University of Minnesota

Elliott, Henry Harold — D. C.
B.S. in Econ. 1920, University of Pennsylvania

Entriken, Samuel Everett — D. C.

Esch, Mark Fidal — Wis.
A.B. 1926, Hamilton College

Farmer, Harold Osborne — Ill.

*Flaherty, Leo Edward — Ind.
B.S. 1924, Rose Polytechnic Institute

Freehairn, Melvin — Utah
B.S. 1925, University of Utah

Friedrich, Charles — N. Y.

Fulghum, James H. — Ga.
A.B. 1926, Mercer University

Gamble, John Donald — D. C.

*Gary, Edwin Bernard — Md.

*Gates, Hobart Hare — S. Dak.

Gilbert, Morgan MacMurrough — D. C.
A.B. 1927, The George Washington University

*Gladstein, Alfred Martin — Okla.

Goldberg, Morton George — D. C.

Goldstein, Harry Samuel — D. C.
A.B. 1926, The George Washington University

Golub, Morris — N. Y.

Goodman, Guy H. — Md.
Ph.B. 1911, Yale University

Gorn, Elmer Joseph — Conn.
B.S. in E.E. 1925, Yale University

Grossman, Raymond Mondell — Ill.

Groton, Edwin Ralph — Md.
A.B. 1925, Western Maryland College

Haig, Robert Van Rensselaer — D. C.
B.S. 1921, University of Maryland

Hansen, Willard Milton — Utah

Harper, Hoyt Benjamin — Ill.

Haug, Richard — N. Y.
A.B. 1928, Cornell University

*Hedgecock, Leland Stanford — Tenn.
B.A. 1924, University of Tennessee

Hill, Harry Duremus — Ind.

Hills, Sherman Russell — D. C.

Hodges, Louis Ogle — D. C.

Hudson, Ralph Hoskens — D. C.
Graduate, 1922, U. S. Naval Academy

Hyatt, Lena Rose — D. C.

James, Sidney — N. Y.
B.S. 1924, College of the City of New York

Jarrett, Fred Thomas — Pa.
A.B. 1926, University of Michigan

*Johnston, Charles McClean — Mich.
A.B. 1924, Wabash College

Johnston, LaDow — Ohio
A.B. 1925, University of Kansas

Kail, Benjamin Morton — Pa.

King, Howard Allen — Ind.
A.B. 1927, University of Indiana

Knapp, Lawrence A. — S. Dak.
A.B. 1925, Yankton College

Koiner, David Randolph — Va.

Kreek, Louis Francis — Mo.

LaFont, Harold Mathews — Mo.

Laughlin, Charles Vaill — Iowa

Lawrence, Thomas Linwood — D. C.

Leasure, Charles Edward — D. C.
B.S. in C.E. 1921, Catholic University

LeClercq, Frederic Kellogg — S. C.
A.B. 1916, A.M. 1921, Oxford University

Levin, Nathaniel — N. J.
M.E. 1925, Lehigh University

Levine, Samuel — D. C.

Little, Leroy — Wis.
B.S. in Eng. 1924, University of Minnesota

Long, Lyman Lee — Md.
A.B. 1924, Western Maryland College

Lopeman, Charles Theodore — Ohio

Lovett, John Willis — D. C.

*Lunding, Franklin Jerome — D. C.

Lyman, Albert — Idaho

Lyons, Robert Donlan — S. Dak.
A.B. 1921, University of Wisconsin

Manian, Jacob Arzo — Mass.
S.B. in E.E. 1924, Massachusetts Institute of Technology

Manship, Winfield Scott — Conn.
A.B. 1886, Wesleyan University; B.D. 1889, Ph.D. 1891 Yale University

Martin, Charles Franklin — S. C.
B.S. 1910, College of Charleston; Graduate, 1914, U. S. Naval Academy

Merritt, Ella Arvilla — D. C.
A.B. 1903, M.A. 1905, The George Washington University
Michener, Lawrence Records — Ind.
Milenky, Joseph D. — Conn.
A.B. 1927, The George Washington University
Milwee, R. Frank — D. C.
Minnis, Philip Allen — Ind.
B.S. in M.E. 1925, Rose Polytechnic Institute
*Mullee, Raymond G. — N. Y.
Murphy, John Damian — D. C.
Mushake, William Ira — D. C.
B.S. in C.E. 1923, The George Washington University
McClellan, Irvin Richard — Ind.
*McCormack, Dwight Lynn — Ill.
McCormick, Homer L. — Okla.
McCrea, John Livingstone — Mich.
Graduate, 1915, U. S. Naval Academy
McIntyre, Alfonso Everett — N. C.
McKnight, John Oakey — N. Y.
A.B. 1926, Yale University
Neilson, Preston Matt — Utah
B.S. in Commerce, 1925, Agricultural College of Utah
Nervo, Luis Padilla — D. C.
Neviaser, Arnold Harry — D. C.
Neville, George Waddell — Miss.
A.B. 1923, University of the South
Packer, Earl LeNoir — Utah
A.B. 1921, The George Washington University
Parker, Norman Douglas, Jr. — D. C.
E.E. 1925, Lehigh University
Pay, Clifford Thomas — S. Dak.
Pennoyer, Ralph Gilbert — Calif.
Graduate, 1914, U. S. Naval Academy
Perry, Edward Benjamin — Wis.
Phelps, Marian Brooks — Ohio
A.B. 1923, Oberlin College
Plumley, Allan Rudolph — Vt.
B.S. in Chemistry, 1923, Norwich University
Porter, Clarence Henry — D. C.
M.E. 1925, Lehigh University
Prevost, Marcel Mallet — D. C.
A.B. 1927, The George Washington University
Redford, Carroll Morris — Ky.
Reed, Albert C. — D. C.
B.S. 1922, University of Delaware
Reichmann, Owen G. — Utah
B.S. 1924, University of Utah
Rhodes, Cooper Burnett — D. C.
A.B. 1925, Dartmouth College
Riley, Edwin Archer — Mo.

Albrecht, Karl J. — Minn.
B.S. 1925, University of Minnesota
Allshouse, David Samuel — Pa.
Amiss, Bernard LaSalle — Va.
*Anding, Henry Moore — Iowa
Andrus, Lucian Miller — D. C.
B.S. 1924, Michigan Agricultural College
Robertson, John Reynolds — D. C.
Robertson, Louis — Md.
A.B. 1927, University of Michigan
Rogers, Otho Larkin — Miss.
A.B. 1928, The George Washington University
Rollins, Milton — N. Y.
Romney, Junius Stowell — Utah
Sakis, George Panagiston — D. C.
Saks, Theodore — D. C.
Sanders, Gwynn — Ohio
*Seymour, John Lawrence — N. Y.
B.S. in Chem. Eng. 1923, University of Maine
Shaw, Edwin Brenton — N. C.
A.B. 1926, University of North Carolina
Shuey, Herman Jay — D. C.
A.B. 1917, Dickinson College
Sightler, Septimus Bonham — Md.
A.B. 1926, Virginia Military Institute
Sinsel, Rupert Alston — W. Va.
*Sonnekalb, William Frederic, Jr. — N. J.
A.B. 1925, Massachusetts Institute of Technology
Strickland, George Henry — Mass.
Suran, Raymond Cade — Okla.
Tarleton, Gilbert Plympton — Mass.
Thompson, Edgar — Mo.
B.S. 1891, M.S. 1895, A.M. 1897, Drury College; M.D. 1893, St. Louis University
Thompson, Edgar Kirby — S. C.
A.B. 1925, The Citadel
*Thomson, Earl Henry — Mass.
Towles, Francis Joseph — S. C.
Underwood, Richard Laskey — D. C.
Vernon, Weston, Jr. — Utah
B.S. 1925, Agricultural College of Utah
Wade, William James — Ill.
Walker, Charles Lewis — D. C.
Ward, Charles Allen — Tenn.
B.S. in C.E. 1912, University of Tennessee
*Watkins, Harley Alvin — Ohio
A.B. 1928, Defiance College
Watts, William Henderson — Ga.
Ph.B. 1926, Emory University
Wefald, Knut Magnus — Minn.
A.B. 1923, St. Olaf College
Weigle, George Eustace — Ind.
Wells, Hermon Joseph — Utah
A.B. 1916, University of Utah
Whitehouse, Joe George — N. Mex.
Whiting, Charles H. — S. Dak.
Will, John Geoffrey — N. Y.
*Willey, Harold Brainerd — D. C.
Williford, Imogene — Miss.
Yochelson, Irving Bernard — D. C.
Zeydel, Walter Hugh — N. J.

SECOND YEAR

Arellano, Arsenio Yanza — P. I.
Armstrong, Stuart Morton — N. Mex.
Aronoff, Julius — D. C.
A.B. 1928, The George Washington University
Bailey, Thomas Jennings, Jr. — N. J.
A.B. 1926, Princeton University
Barile, Ralph

Barnes, Maurice Runnels — Utah
B.S. 1924, University of Utah
Barnes, Wilbur James — Md.
M.E. 1915, Cornell University
Barrow, Wylie Winfield — D. C.
B.S. 1926, Roanoke College
Bassler, William Sidney — D. C.
A.B. 1923, The George Washington University
Beach, Charles Clarke — Md.
A.B. 1927, University of Maryland
Beardsley, Charles Harrison — Mich.
B.S. in Eng. 1926, University of Michigan
Biebel, Lawrence B. — Pa.
B.S. in E.E. 1927, University of Pittsburgh
Boone, Paul — Fla.
A.B. 1921, Vanderbilt University
*Bothwell, Fordyce Argo — D. C.
E.E. 1925, Syracuse University
Bradley, William Cheney — Ohio
Brill, Isadore — D. C.
Britt, James Edward — N. C.
B.S. in M.E. 1924, North Carolina State College of Agriculture and Engineering
Brookhart, Smith W. Jr. — Iowa
Brookley, Zelpha Catherine — Ohio
A.B. 1916, Miami University
Brown, Thomas Hayward — Miss.
Browne, James Keith — Mont.
A.B. 1925, State University of Montana
Burton, Lawton — Okla.
Camp, Thomas Lee — Ga.
A.B. 1925, Oglethorpe University
Campbell, Marion — D. C.
A.B. 1928, The George Washington University
Cantrell, Walter Thurman — Okla.
B.E.E. 1916, University of Arkansas
Chambers, Justice Marion — W. Va.
Churbuck, Lewis Marshall — Mass.
Clagett, Charles William — Md.
Cohen, Raymond W. — Md.
B.E. in E.E. 1926, Johns Hopkins University
Conner, Norman Hampton — D. C.
B.S. 1924, University of Virginia
Coulston, Clemency King — D. C.
Coulter, Eliot Brewster — D. C.
Litt.B. 1914, Princeton University; A.M. 1915, Harvard University
Cox, Elizabeth M. — D. C.
Crofts, Leroy Arthur — Wyo.
Crouter, Earl Clinton — Wyo.
A.B. 1928, The George Washington University
Curtis, Donald — Mass.
Graduate, 1918, U. S. Naval Academy
Davis, Jack Hayne, Jr. — S. C.
B.S. 1925, The Citadel
Dent, George Brewer — Nebr.
Dickerson, Francis Arthur — Pa.
B.S. in E.E. 1918, Pennsylvania State College

Dodd, Harold — N. Y.
Graduate, 1912, U. S. Naval Academy; M.S. 1924, Columbia University
Dodds, Lawrence Briggs — Colo.
B.S. 1925, University of California
Dugger, Ralph Loring — Ill.
B.S. 1926, University of Illinois
Earl, Marion Bradley — Nev.
B.S. 1922, University of Utah
Eberly, Daniel Christian — D. C.
Edgerton, Justin Lincoln — Va.
Elliott, John Carl — Ga.
Fenander, Edmund Albert — Calif.
B.S. 1926, University of California
Fessenden, John Stirling Spaulding A.B. 1926, Ohio Wesleyan University — Ohio
Fichter, Ralph John — Ind.
Flack, Murray Marion — D. C.
A.B. 1927, The George Washington University
*Flint, Frank Miles — D. C.
Ph.B. 1927, Brown University
Frazier, Vernon Allan — N. Dak.
Freehof, Hyman Bennett — D. C.
B.S. in C.E. 1927, The George Washington University
Frisbie, Karl Friedlin — N. J.
Futterer, Charles — D. C.
Gates, Eliot Young — Utah
A.B. 1927, University of Utah
Geniesse, Eugene William — D. C.
B.Sc.E. 1920, M.S. 1924, University of Michigan
Gibson, Lloyd Camden — Tex.
B.S. 1917, West Virginia University
Giese, Oscar William — Fla.
Ginberg, Louis — D. C.
Glover, George Francis — D. C.
Gnam, Carl Albert — Iowa
B.A. 1926, The State University of Iowa
Goldman, Joseph — D. C.
Griffith, George Oscar — W. Va.
A.B. 1922, West Virginia University
Grossberg, Solomon — D. C.
*Grutzik, Frank Edward — Wis.
Hall, Clyde Webster — Ind.
B.S. in M.E. 1925, Purdue University
Hall, Liston Fleming — Ala.
Harrell, Rogers Edward — D. C.
Hayes, Jack — D. C.
A.B. 1926, The George Washington University
Heath, Dudley Everson — D. C.
B.Sc. in E.E. 1926, Rutgers College
Highsmith, Jasper H. — Ga.
Hill, William Sasscer, Jr. — D. C.
A.B. 1927, University of Maryland
Hittson, Harker Henry — Calif.
B.S. 1926, University of Illinois
Hoffman, James Thomas — Pa.
B.S. in E.E. 1926, University of Pittsburgh
Holland, Mary Josephine — Mass.
A.B. 1922, Tufts College

Hollett, George Lyon — Ill.
A.B. 1909, Yale University
*Holther, David Key — Utah
Horwitz, Jean Sylvia Himmelfarb — D. C.
A.B. 1924, The George Washington University
Houghton, Joseph York — Mass.
B.S. 1926, Massachusetts Institute of Technology
Howe, Ramon Raphael — Ind.
B.S. in E.E. 1925, Purdue University
Hufford, Harold Emery — Ind.
Hutchison, Earl Wedderburn — Pa.
B.S. 1916, University of Wisconsin
Ingle, Albert Laurens — Miss.
Jansen, Elsie Bradford — D. C.
A.B. 1927, Wellesley College
Johnson, Albert Kimball — Vt.
B.S. 1927, University of Vermont
Johnson, Edward Claude — Va.
A.B. 1924, College of William and Mary
†Jones, William Theron — Utah
Joslin, Hiram Millard — Iowa
A.B. 1922, Coe College
Keegin, Stafford Warwick — D. C.
A.B. 1924, Dartmouth College
King, Angus Stanley — Va.
B.S. 1926, College of William and Mary
King, Karl Vernon — Utah
Kinney, Alfred Adolphus — Idaho
B.A. 1921, University of Idaho
Kirkham, Francis Robison — Utah
Kitchens, Wade Hampton, Jr. — Ark.
A.B. 1927, University of Arkansas
Lachowicz, John Stanley — Conn.
B.S. 1922, M.A. 1923, Wesleyan University
Lackmann, Luella Irene — D. C.
A.B. 1919, Cornell University
Lamphere, Phineas Harold — Mont.
B.S. in E.E. 1927, University of Idaho
Langford, Jack Livingston — Ark.
Ph.B. 1926, University of Chicago
Langshaw, Gertrude — Mich.
Lassagne, Theodore Hawley — Ill.
Latimer, Julian Lane, Jr. — D. C.
A.B. 1927, Antioch College
Lee, Robert Edward — D. C.
Leighey, Robert A. — Ohio
LeRoy, Claude — N. Y.
E.E. 1924, Cornell University
Lewis, Raymond Daniel — D. C.
Graduate, 1923, U. S. Naval Academy
Lindsay, Lowry — S. C.
A.B. 1927, Wofford College
Lockwood, Katharine Robb — D. C.
Loose, Park Hoffman — D. C.
A.B. 1927, Dickinson College
Lovewell, Newton Nehemiah — Wis.
Luce, Clifton Hadley — D. C.
Lyons, J. Leonard — Ga.
A.B. 1925, Emory University
Mahoney, Charles E. — Mass.
Malone, William Morgan — D. C.
Manian, Joseph Charles — D. C.
B.S. 1926, Massachusetts Institute of Technology
Marshall, Elliott DeJarnett — Va.
*Marshall, St. Julien Ravenel — D. C.
A.B. 1924, Virginia Military Institute
Maxwell, Alan Chase — Iowa
A.B. 1927, University of Iowa
Maze, Charles Adams — Ark.
Mendenhall, Paul — Ind.
Mong, Clair Burket — Pa.
Monk, George Edward — D. C.
A.B. 1923, The George Washington University
Moore, John Harold — Tex.
B.S. 1928, University of Oregon
Moorhead, Ruth — Pa.
B.S. 1922, Simmons College
Morrow, Charles Robert — Ky.
Muir, Joseph Johnstone — Md.
Murphy, Howard Meredith — D. C.
Murphy, James Russell — Kans.
McCoy, Jess James — W. Va.
McDonald, John Duncan — D. C.
McEldowney, Grace Cornelia — D. C.
A.B. 1918, Smith College
McInnis, Walter L. — Ala.
B.S. 1928, University of Alabama
*McKee, Elliott Bates — D. C.
A.B. 1926, Yale University
McLaughlin, Robert Enoch — Ohio
Neff, Paul Raymond
B.Sc. 1923, Heidelberg College; M.A. 1927, The George Washington University — Ky.
Noble, Moss — S. Dak.
A.B. 1927, Berea College
Nystrom, Harold Charles — W. Va.
A.B. 1926, University of South Dakota
O'Brien, Perry Emmet — D. C.
B.S. 1921, West Virginia Wesleyan College
O'Brien, Ruth — D. C.
B.Sc. 1914, M.A. 1915, University of Nebraska
O'Connor, Joseph Louis — D. C.
A.B. 1926, The George Washington University
Parry, Edmund Hurlburt, Jr. — N. H.
A.B. 1926, Harvard University
Patterson, Donald Gillis — D. C.
Peck, Philip Van Wagenen — D. C.
A.B. 1927, University of Pennsylvania
Pedersen, Marcus Jeppesen — Kans.
Peterson, Erik George — W. Va.
A.B. 1928, The George Washington University
Pettry, Wirt Hayes — N. Y.
Pisarra, Angelo Marion — Va.
C.E. 1926, Rensselaer Polytechnic Institute
Pollard, Charles Phillips — Ill.
B.S. 1925, College of William and Mary
Pomeroy, Floyd Stanley — Md.
Poteet, John Wilmer, Jr.
B.E. 1926, Johns Hopkins University

Prangley, Arthur George, Jr. D. C.
B.S. 1925, University of Maryland
Proctor, Robert Finis Ala.
A.B. 1927, Georgetown College, Ky.
Raley, Irving James D. C.
Rapp, Leslie Manfred Iowa
Reed, John Robert Md.
Reed, William Inge, Jr. D. C.
Rees, William Chevers D. C.
Reese, Roy Dahlquist D. C.
Robertson, James Louis Idaho
Robertson, Robert Hayes Ill.
A.B. 1927, Wabash College
Rosenburg, Everett Reynolds N. Y.
E.E. 1924, Rensselaer Polytechnic Institute
Sanborn, John Albert D. C.
B.S. in M.E. 1926, University of Maine
Schramm, Frederic Bernhard D. C.
B.S. in E.E. 1925, Case School of Applied Science
Schuttler, Norman Nedwin Idaho
B.S. in E.E. 1927, University of Idaho
Scrivener, Samuel, Jr. D. C.
Engineer of Mines, 1927, Lehigh University
Seitzick, Ruth Sarah D. C.
Shanner, Charles Thomas D. C.
Shapiro, Arthur Md.
B.Eng. 1921, Johns Hopkins University
Sheldon, Clifford Arthur Iowa
Shriver, Harry Clair Pa.
Simmon, Glenn Okla.
B.S. 1927, Oklahoma Agricultural and Mechanical College
Simons, Macon McCorkle N. C.
Sipkin, George N. Y.
Smith, Allan Edward D. C.
Graduate, 1915, U. S. Naval Academy
Smith, James Lee D. C.
B.S. in C.E. 1917, Iowa State College
Snider, Richard Leslie Calif.
Snow, William James, Jr. Utah
Spaulding, Augusta deLaguna D. C.
A.B. 1912, A.M. 1913, University of California
Speer, Larken Tex.
*Spencer, Kenneth Wheeler D. C.
Stanford, Joel Gibson N. Y.
E.M. 1925, The Colorado School of Mines
Steenrod, Virginia Ruth
Strain, John Ohio
Strauss, Edward D. C.
Stukes, James Edward Conn.
Stukes, Lionel Chalmers Ga.
Ga.

†Albracht, Carl Edwin Pa.
A.B. 1927, University of Michigan
Alewine, William Maurice
*†Allen, Ezra Griffen D. C.
Graduate, 1907, U. S. Naval Academy Pa.

Summers, Lionel Morgan D. C.
B.S. 1927, Princeton University
Terrell, Richard Alfred D. C.
Thompson, Irvin Stewart D. C.
B.S. in Chem. Eng. 1927, The George Washington University
Thompson, Samuel Craig Ohio
A.B. 1916, Miami University, Oxford, Ohio
Titcomb, Oliver Stanley Mass.
Titus, Harold Hill Wis.
Tonkin, Allen Manson Okla.
A.B. 1926, University of Oklahoma
Torrey, Morgan Caywood D. C.
Tullar, Irving Meredith Ill.
A.B. 1915, Albion College; A.M. 1916, Columbia University
Turnbull, John Gordon Pa.
B.A. 1926, Hamilton College
Uhler, Theodore Clay D. C.
B.S. in Econ. 1917, University of Pennsylvania
Vandegrift, William Addison Md.
Vinskey, Henry Joseph D. C.
Ward, Lewis Hall D. C.
Warnick, Patrick Jennings W. Va.
A.B. 1927, University of Kentucky
Watson, Kenneth Nicoll D. C.
A.B. 1923, The George Washington University
Wheaton, Clare Alan D. C.
White, John Turner D. C.
White, Maude Ellen Ohio
Whitmer, Robert Rudolf Pa.
B.S. 1926, Washington and Jefferson College
Wilkerson, Thomas Nesbitt, Jr. N. Mex.
Williams, Victor Francis Me.
A.B. 1927, Bowdoin College
*Williams, Sylvan Harold Ohio
Willis, Thomas George Colo.
A.B. 1925, Colorado College
Wilson, Gordon Kase Pa.
A.B. 1926, The George Washington University
Wilson, J. Russell Ala.
B.S. 1926, Alabama Polytechnic Institute; M.S. 1927, The George Washington University
Wobensmith, Zachary Taylor, II Pa.
B.S. in M.E. 1927, University of Pennsylvania
Woodruff, Ralph Waldo Pa.
A.B. 1920, A.M. 1921, Susquehanna University
Wrightson, James Owens D. C.
A.B. 1923, Dickinson College
*Yates, Dwight Randolph W. Va.

FIRST YEAR

†Allen, Philip Harper Tex.
A.B. 1923, West Texas State Teachers College; M.S. 1926, University of Iowa
Alseen, Myrtle Frances Carolyn Minn.
A.B. 1922, The George Washington University

Armstrong, John Wesley — N. Mex.
A.B. 1927, University of New Mexico

Armstrong, Robert Harman — W. Va.

Asmuth, Minnie Louise — D. C.

Baer, Louis Henry — N. Y.
Ch.E. 1927, Rensselaer Polytechnic Institute

Baker, Ralph Samuel — Del.
A.B. 1928, University of Delaware

Baldwin, Joseph Addison — Mich.
A.B. 1919, Albion College

Baldwin, Joseph Lyle — Va.
A.B. 1928, Roanoke College

Bartsch, Henry Guerdrum — D. C.

Bassett, John Earl — D. C.

Bays, William Webb — D. C.
A.B. 1904, Washington and Lee University

Beasley, Albert Ferrett — Ala.

Beck, Flossie Arizona — Ill.

†Beelar, Donald Casper — Oreg.
B.A. 1928, University of Oregon

†Benedict, Ronald Henry — Mich.

†Bergert, Earl Melvin — Ohio
B.S. in M.E. 1928, Carnegie Institute of Technology

Berry, Charles Oscar — D. C.

Bishop, Harold Albert — Ill.
A.B. 1926, Bradley Polytechnic Institute

†Black, Henry Franklin — Vt.
B.S. 1928, Norwich University

Bohn, Theodore Roosevelt — Utah
B.S. 1928, University of Utah

Bordner, Leon Taylor — Wis.

Boyd, Helen Marie — D. C.
A.B. 1927, University of Wisconsin

Boyer, James Barnes — D. C.
B.S. in E.E. 1928, Pennsylvania State College

Bradley, James Blake — D. C.

Brandon, James Elliott — W. Va.
A.B. 1928, Bethany College

Branson, Joseph Holmes, Jr. — D. C.
A.B. 1927, Harvard University

Braucher, Samuel Cober — Pa.
A.B. 1928, Bucknell University

Brewer, Joe Robinson — Ark.
A.B. 1927, Hendrix College

Brown, Lucy Williams — D. C.

Brown, Mary Agnes — N. H.
A.B. 1924, The George Washington University

Brown, Robert Washington — Ark.
A.B. 1916, University of Arkansas

Buchler, Milton — D. C.
B.S. in M.E. 1925, University of Michigan

Buckley, Donald Morgan — Ill.

Bulman, Joseph — D. C.

Burns, Robert Elmer — Wyo.
B.S. 1928, University of Wyoming

Cameron, Edwin John — D. C.
B.S. 1920, Massachusetts Institute of Technology; Ph.D. 1927, The George Washington University

Campbell, Alexander Phillips — Pa.

Campbell, Colin — Va.
Graduate, 1917, U. S. Naval Academy

Caplan, Max — D. C.

Carpenter, Samuel Raymond — Utah

Carton, John Hazelton — Mich.
A.B. 1928, Antioch College

Cawood, R. Hamilton — Md.
A.B. 1926, Pomona College

†Chernoff, Bernard Menace — Conn.
A.B. 1924, Yale University

Christopher, Clyde Burroughs — Mich.

Churchwell, Dorothy Joy Burns — D. C.

Clapper, Emory Walling — Pa.

Clark, Chester Ray — D. C.
A.B. 1923, Kentucky Wesleyan College

Clayton, Harry Webb, Jr. — N. Y.

Cluster, Loren Lee — Ill.

Coatsworth, John Wallace — S. Dak.
A.B. 1928, Dakota Wesleyan University

Cocchiaro, Paul Appollonio — W. Va.

*Coe, Bryan — D. C.
A.B. 1928, The George Washington University

Cohen, Benjamin — Conn.

†Colbert, Alice — D. C.
A.B. 1926, The George Washington University

†Cole, Mary Josephine — D. C.
A.B. 1927, The George Washington University

Collins, Stanley Newcomb — Mass.
A.B. 1925, Bowdoin College

Colvin, James William — D. C.

Conlon, Walter Joseph — S. C.
A.B. 1926, The Citadel

Conradis, Albert Earl — D. C.
A.B. 1923, Cornell University; M.B.A. 1926, University of Pensylvania

Crigler, Thomas Botts, Jr. — Ind.

Cross, John Walker — Kans.

Crum, Harry Watson — Pa.
B.S. 1924, Princeton University

Cunningham, John — Iowa

Dickinson, L. Call — Iowa

*Dietz, John Edward — D. C.

Dorsey, Harryman — D. C.

†Drowns, Allen Crawford — Va.

Duncan, Hearst Randolph — Iowa

Dunnington, Frank Patterson, Jr. — Md.

Dutton, Lillian Bertha — D. C.
A.B. 1926, The George Washington University

Earnest, James Murrin — D. C.
B.S. 1927, Alabama Polytechnic Institute

*Edwards, James Morris — Md.
A.B. 1923, Wabash College

Edwards, Malcolm Melbourne — Ind.
A.B. 1926, Wabash College

†Edwards, William Griffith, Jr. — N. Y.
B.S. in E.E. 1927, University of Colorado

Ehrmantraut, Catherine Ada — D. C.

Elvove, Kady — Ky.

Enyart, Byron K. — Ind.

Epstein, Reuben — N. Y.
B.S. 1926, College of the City of New York

Ewald, Sterling Donald — Ky.
B.S. in M.E. 1924, University of Wisconsin

Falls, John Rankin — N. C.
A.B. 1928, Davidson College

Ferguson, Milton Carr — W. Va.
A.B. 1924, West Virginia University

†Fitzsimmons, Richard Raymond — Pa.
B.S. 1924, Carnegie Institute of Technology

*Fleischman, Charles — Conn.

Fleming, William Wright — D. C.

*Flemming, Arthur Sherwood — N. Y.
A.B. 1927, A.M. Ohio Wesleyan University

Flournoy, William Walton — Fla.
A.B. 1928, University of Florida

Foster, Henry Lockwood — D. C.

Fowler, Robert Edward — N. Y.
E.E. 1926, Cornell University

Frazier, Dean Edward — Mo.

*Frey, Clarence William — Pa.

Friedman, Melvin Hillard — D. C.
B.S. in E.E. 1928, The George Washington University

*†Fuquay, Leon McLeod — N. C.

Gable, Raymond Edgar — Pa.

†Garber, Martin Dudley — Okla.

Gasch, Oliver Herman — Va.
A.B. 1928, Princeton University

Gates, Lawrence Merle — Pa.

*Gaydash, George Gregory — Ohio

†Gignilliat, John McIver — Ga.

†Gillespie, Frank Smith — Ill.

Goodwin, Robert Kingman — Iowa
A.B. 1928, Drake University

†Gott, Mildred Seymour — D. C.
A.B. 1928, Trinity College

Graff, Herbert — D. C.
A.B. 1908, University of Michigan

Graves, James Millar — Mass.
B.S. 1927, M.A. 1928, Harvard University

Greenbaum, Herman — Del.

†Grove, George Bowers — W. Va.
B.S. 1928, Roanoke College

†Grove, Roy — Iowa
B.A. 1928, State University of Iowa

Grubb, Katherine Mary — Ala.
A.B. 1928, Smith College

†Gullett, James Gordon — Ill.

*Hagan, Margaret Wood — Va.
A.B. 1919, Salem College, N. C.

*Hale, Frank Connell — Tex.

Hannah, Paul Francis — D. C.
B.S. 1927, Dartmouth College

Hardy, Karl Jack — Utah
A.B. 1927, University of Utah

†Harris, George Alexander — Del.

Harris, Ralph Percival — N. Y.
A.B. 1928, The George Washington University

*Harrison, William Henry — D. C.

Hatch, Douglas Lorenzo — Nev.

Hathaway, Carson Christal — Mo.
A.B. 1916, Park College; A.M. 1926, The George Washington University

†Hayes, Elizabeth Bosley — Md.
B.S. 1928, Ohio Wesleyan University

Hearn, Wilfred Asquith — Md.

Heckert, Ernest Leroy — Pa.
A.B. 1928, Albright College

Hefferman, John Baptist — Ind.
Graduate, 1917, U. S. Naval Academy

†Hillis, Haston Franklin — Ind.

Hodges, Harris Hamlin — Md.

†Holden, William Sutherland — Idaho

*Holland, Frank — Ga.

Hoover, Charles Jackson — Mo.

Hotchkiss, Edwin Lyman — Mich.
B.S. 1928, Michigan College of Mining and Technology

Hotchkiss, Eugene Bishop — Mich.
B.S. 1928, Michigan College of Mining and Technology

Houser, Harold Alexander — D. C.
Graduate, 1921, U. S. Naval Academy

Howard, Andrew — Mo.
A.B. 1928, Drury College

Hunt, Margaret Clarke — D. C.

Hunter, Rollin Ankeny — Iowa

Ishler, William Russell — Pa.
B.S. 1921, Pennsylvania State College

Jackson, Charles Horatio, Jr. — Tex.

Jackson, John Wingfield — D. C.
B.S. 1928, University of Pennsylvania

Jamieson, William Edward — Ind.

†Jardine, William Nebeker — Kans.

Jemison, William Zimmerman — D. C.

Johns, Llewellyn James — D. C.
Graduate, 1921, U. S. Naval Academy

Johnson, Ervin George — Calif.
B.S. 1927, University of California

Johnston, Everett Dale — Ohio
A.B. 1927, The George Washington University

Joyce, Ralph Fairbanks — Pa.
A.B. 1927, Allegheny College

Joynt, John Howard — Va.
B.S. in E.E. 1925, Carnegie Institute of Technology; M.S. in E.E. 1928, Massachusetts Institute of Technology

Kampe, Albert Henry — Mich.
B.S. in C.E. 1924, The George Washington University

Keiper, Francis Pitman — N. Y.
A.B. 1927, E.E. 1928, Cornell University

Keitt, William Lawrence — Tex.
A.B. 1926, University of Texas

Keller, William Huestis, 2nd — Pa.
A.B. 1927, Pennsylvania State College

*Kendrick, Hilary Herbert — Fla.

Keough, Paul Hamilton — D. C.

Kieferle, George Raymond — Pa.

King, Charles Leonard — Mo.

*Kirchoff, William Frederick — Ark.

Kirk, Charles Roger — Ohio

Klatzkin, Morris Aaron — D. C.

Knighton, Joseph Wilson — Md.
B.S. 1917, St. Johns College

Kulp, Howard Gilbert, Jr. — N. J.

Langford, George Frank — N. Y.
M.E. 1927, Stevens Institute of Technology

†Lavender, William — Ill.
A.B. 1928, Augustana College
*Leckie, John Gould — Md.
B.E. 1928, The Johns Hopkins University
LeGates, Eber Thomson — Del.
B.S. in E.E. 1928, University of Delaware
Levin, Leon — N. J.
A.B. 1928, Lehigh University
*Levy, Irving — Conn.
†Listerman, Wayne Lieberth — Ky.
A.B. 1928, Miami University
Littlehales, George Reber — D. C.
B.S. 1923, Princeton University
Littlepage, Thomas Price, Jr. — D. C.
Livingston, Stanton Knowlton — D. C.
A.B. 1922, Columbia University
†Logsdon, DeEarle Monroe — Ind.
†Longyear, Robert Dudley — D. C.
A.B. 1918, Harvard University
Ludwig, Robert Eugene — W. Va.
A.B. 1926, The George Washington University
Martin, George Bernard — Kans.
†Mathers, Lewis John — Ohio
A.B. 1925, Marietta College
†Medill, Thomas James, Jr. — Ill.
Mermelstein, Milton Emanuel — N. J.
Miller, Bruce Ervin — Ohio
Miller, William Jones — Md.
Monfort, James Brown — Ohio
*†Moore, Byron Stanley — Ind.
Moore, William Leonard — Ohio
A.B. 1927, Antioch College
Morgan, Jack Charles — W. Va.
A.B. 1928, Marshall College
Morgan, Stephen Ray — Ohio
A.B. 1924, Ohio University
Morris, John Carless — N. Y.
E.E. 1926, Cornell University
Morris, Rayson Pasco — Idaho
B.S. in E.E. 1928, University of Idaho
Muth, George Edward — D. C.
McCandless, David Alexander, Jr. — Ky.
*McCoole, James Henry — Mass.
†McInnis, Marcellus — D. C.
B.S. 1928, University of Alabama
*McIntire, James Marvin — Ky.
McKay, David Lawrence — Utah
A.B. 1926, University of Utah
Nattkemper, Louis David — Ind.
Neff, Ralph Alexander — Ohio
A.B. 1928, Ohio Wesleyan University
Nevius, Richard David — D. C.
Newman, Charles Albert — W. Va.
Nicholson, Donald Lon — Pa.
A.B. 1928, Bucknell University
Nold, Marie Cuthbertson — Minn.
A.B. 1919, The George Washington University
†Norris, Henry Gladden — La.
*Norris, John Gilbert — D. C.
†Norton, Ben Cole — Fla.
B.S. 1925, Georgia Institute of Technology
O'Brien, Walter Matthew — Mass.
B.S. in Chem. Eng. 1927, Tufts College
O'Brien, William Talbot — W. Va.
A.B. 1926, West Virginia Wesleyan College
Oldham, Albert Henry — Ohio
Olsen, Ole Joseph — D. C.
Olson, Frank Montague — Utah
Orbison, Robert Henry — Ind.
†Parker, Albert Marcus — N. J.
B.S. in M.E. 1928, University of Maine
Parker, James Clarence, Jr. — D. C.
*Parrish, Eldon Maton — W. Va.
Parsons, George Samuel, Jr. — Colo.
Parsons, William Herbert — D. C.
Payne, William Burbridge — W. Va.
†Pell, Robert Thompson — D. C.
A.B. 1924, Harvard University
Perry, Albert Walter — Fla.
†Peterson, Thomas Hardin — Tex.
Philbrick, Howard Reginald — Wash.
B.S. 1923, Oregon State Agricultural College
†Pierce, Carrah Ola — Miss.
B.S. 1913, Mississippi State College for Women
Popham, Kenneth Robert — Mont.
Powers, Irwin Richard — Mass.
Prentiss, Helen Louise — D. C.
Prince, Darius Finley — Tenn.
A.B. 1925, Maryville College
Quijano, Juan R. — P. I.
*Reed, Thomas James — Miss.
Reynolds, James David — Nebr.
Rice, Julius Herbert — Pa.
†Riddle, David Lindsay — Kans.
†Rinehart, Theodore A. — Okla.
†Roach, Jessie Dean — Ill.
A.B. 1924, The George Washington University
Rosoff, Leo — Mass.
Rowe, Lionel Lewis — Va.
Graduate, 1914, U. S. Naval Academy
Rowland, Clifford Carlyle — N. C.
A.B. 1924, University of North Carolina
Rupert, J. Allison — Pa.
A.B. 1927, Ohio State University
Russell, George Lucius — Vt.
Graduate, 1921, U. S. Naval Academy
†Rutter, Janet Goodwin — D. C.
Ryan, George Joseph — Mass.
Ryan, Thomas John — D. C.
Graduate, 1920, U. S. Naval Academy
Rypinski, Jacob Emanuel — N. Y.
1910, Engineer of Mines, Columbia University
Sample, Lloyd Erle, Jr. — W. Va.
A.B. 1928, West Virginia University
Sanders, Robert Crockett — W. Va.
Schaeffer, Paul Eugene — W. Va.
Schedler, Carl Robert — Okla.
B.S. 1927, Oklahoma Agricultural and Mechanical College
Schnauffer, Patrick McGill — Md.
A.B. 1928, Washington College, Maryland
Schrader, Milward Cecil — Kans.

Schulz, Hugo Otto — N. J.
M.E. 1927, Stevens Institute of Technology
Scott, Arnold Eden — Utah
Seaton, Warren — Iowa
A.B. 1926, State University of Iowa; A.M. 1927, Harvard University
Seers, Joseph Deodat
Segal, Abe Ray — Mass.
*Seletski, Joseph Benedict — Minn.
Graduate, 1920, U. S. Naval Academy — D. C.
Shaffer, Harry Hunter
*Shapiro, Alexander — Tex.
B.S. 1915, College of the City of New York — D. C.
Shapiro, Jack Charles
Shapiro, Lewis Harrison — D. C.
†Sharp, Freeman Wilfred — D. C.
Shaw, Richard Waring — D. C.
Shelton, Charles Latimer — Kans.
B.S. 1928, University of Maryland — Md.
†Sherwood, William Earl
B.S. in M.E. 1927, University of Kentucky — Ky.
Shure, Fred Malcolm
Simmons, Marcellus Culmer — Conn.
A.B. 1928, The George Washington University — Utah
Simpson, Eugene Hassett
B.S. 1925, University of California — D. C.
*Smith, Arthur Albert
B.S. 1928, University of Maine — Me.
Smith, Frank DeLarme
B.S. in M.E. 1925, Harvard University — D. C.
Smith, Jesse Robinson
*Smith, Margery Alice — Utah
A.B. 1927, Grinnell College — Iowa
†Smith, Ray Leonel
B.S. in E.E. 1924, Kansas State Agricultural College; M.A. 1927, The George Washington University — D. C.
†Snure, Anne
A.B. 1928, The George Washington University — Md.
Snyder, Thomas Miller
Spangler, George Wilt — N. C.
A.B. 1927, The George Washington University — Pa.
*Staggers, Vernon Andrew — W. Va.
Stearns, Robert Maynard — Iowa
*Steinmiller, Adelbert Alfred — D. C.
B.E.E. 1926, Ohio State University
Stephens, Thomas
B.S. 1928, University of Maryland — D. C.
Stickel, Carl Albert
B.M.E. 1927, Ohio State University — Ohio
*Stone, Cecil Walker
B.S. 1926, Oklahoma Agricultural and Mechanical College — Okla.
Stone, Charles Parker, Jr.
A.B. 1923, Yale University — D. C.
*Strahorn, Charles Albert
A.B. 1928, Washington and Lee University — Md.

†Strizak, Joseph Peter — Ind.
B.S. in E.E. 1928, Carnegie Institute of Technology
Styner, Truman Leonard — Idaho
B.S. in E.E. 1928, University of Idaho
Sullivan, Thomas Alan — S. Dak.
†Sutherland, John Harbottle — W. Va.
B.S. in E.E. 1926, Virginia Military Institute
†Swinburne, Arthur Francis — D. C.
*Tarver, Malcolm Connor, Jr. — Ga.
A.B. 1928, University of Georgia
†Tashof, Leon Anthony — D. C.
Taylor, Alfred Lindsay — N. Y.
E.E. 1923, Rensselaer Polytechnic Institute
Taylor, Dwight D. — Wash.
Taynton, Mark — Calif.
B.S. 1924, University of California
Tendler, Max Melville — D. C.
Terry, George McGrew — Okla.
†Thulemeyer, Lawrence Carrington — Wyo.
Toye, Francis Gerald — Wash.
B.S. in E.E. 1927, Clarkson College of Technology
Trilety, O. Edward — Nebr.
A.B. 1928, The George Washington University
Turner, Bedford Hackett, Jr. — Md.
Tweedale, Ralph Landon — N. Y.
*Vandenberg, Arthur Hendrick, Jr. — Mich.
A.B. 1928, Dartmouth College
Van Dyke, Lawrence Adelbert, Jr. — Utah
†Van Houten, Scranton Coit — Ill.
B.S. 1924, McKendree College
Van Meter, Kenny Chambers, Jr. — W. Va.
Vernon, Clinton DeWitt — Utah
†Volkert, Mona Henrietta — Wis.
Ph.B. 1926, University of Chicago
von Dachenhausen, George A. — D. C.
Walker, Walter Kennedy — Utah
Wallenstein, Sidney — Ohio
B.S. in Chem. Eng. 1928, Case School of Applied Science
†Walsh, Leonard Patrick — Wis.
Walz, August Frederick — Del.
A.B. 1928, University of Delaware
†Warren, Robert Sumner — La.
*Watt, Merrill Worthing — Ohio
B.S. 1920, Kansas State Agricultural College
*Weinstock, Nathan — Pa.
West, George Chester — Me.
A.B. 1928, Colby College
Westby, George Newton — Wash.
B.S. in E.E. 1927, University of Washington
Whitehurst, Frank Elmore — Tex.
A.B. 1927, Southern Methodist University
Wick, John Borden — N. J.
Wight, Donald Miller — D. C.
M.E. 1923, Lehigh University
†Wilkins, Gordon Armstrong — Va.
A.B. 1926, University of Richmond
Willner, Warren Hall — D. C.
Wilson, Lee Roy — Ky.
Winningstad, Olaf Phillips — Calif.

Wise, William Harvey — D. C.
Woodcock, Virgil Eldon — D. C.
B.S. 1927, Oregon State Agricultural College
Woolf, Edward Magruder — D. C.
Yaffe, Simon — N. Y.
E.E. 1925, Rensselaer Polytechnic Institute
†Young, Malcolm McInnis — N. C.
A.B. 1926, University of North Carolina
Young, Ralph Rowland — Ohio
B.S. in E.E. 1924, Ohio Northern University
Young, Truman Richards — Utah

UNCLASSIFIED STUDENTS

*Athey, Herndon Rine — W. Va.
†Berg, Moncure Burke — D. C.
B.S. 1927, Princeton University
Bowling, Joseph Raphael — La.
*Brown, Ammi — D. C.
A.B. 1897, A.M. 1902, Harvard University
*Campbell, Quincy Alexander — Ohio
B.C.E. 1920, Ohio State University
†Cornish, Willis Alverson — D. C.
B.Litt. 1924, Columbia University
Foster, Louise Trimble — Mo.
B.A. 1918, Millikin University
†Jensen, Mark Alfred — Wash.
S.B. 1928, Harvard University
†Parker, Henry Cole — D. C.
B.S. 1915, Kalamazoo College; M.A. 1916, Ph.D. 1920, Clark University

SPECIAL STUDENTS

Alger, Charles — Ind.
Atherholt, Gordon Meade — D. C.
Chmillon, Otto H. — D. C.
†Claffy, Thomas Hughes — D. C.
Cullen, Elizabeth — D. C.
Bonnell, Emerson Bradford — D. C.
Eastlack, John Earl — Iowa
Haley, Terese V. — N. Y.
LL.B. 1926, The George Washington University
Hall, John Emerson — N. Mex.
Hyde, Rosel H. — Idaho
Kane, James Martin — N. Dak.
*Kelly, Francis Patrick — Mont.
Mabon, Robert Leonard — D. C.
Musgrave, Anne Sightler — Md.
†McCauley, Leroy Clifton — D. C.
†McLaughlin, Albert Joseph — N. Y.
Newman, John Joseph — N. Y.
Potter, Nelson Augustine — D. C.
Rice, Charles Austin — Iowa
Ristine, John C. — Va.
*Rust, Gwinn Wheelwright — D. C.
†Shinnick, Herbert Hansord — Va.
LL.B. 1922, The George Washington University
Turgeon, Edward Philip — R. I.
*Walter, Arthur Henry — Ky.
LL.B. 1923, LL.M. 1924, The George Washington University

THE SCHOOL OF ENGINEERING

CANDIDATES FOR DEGREES

SENIORS

Affleck, Doyle P. (C.E.) Utah
Arnold, Daniel (Chem.Eng.) D. C.
Bailey, Malcolm Finley (E.E.) D. C.
Barnard, James Haliday (E.E.) D. C.
Bein, Joseph David (M.E.) D. C.
Bengal, William C. (Chem.) D. C.
†Brodsky, Harry (C.E.) D. C.
Browne, William Malcolm (E.E.) D. C.
Bruce, Clarence Smoot (M.E.) D. C.
Bryans, Clyde Venroy (C.E.) Colo.
Burner, Charles Alexander (C.E.) D. C.
Clapham, Wentworth B. (C.E.) N. Y.
Curtis, William (E.E.) Va.
Deuterman, Martin (C.E.) Va.
Evans, William Ellsworth (Chem.) D. C.
Fox, James Fulton (M.E.) Del.
Furr, Roger Thomas (M.E.) D. C.
Garman, George Guy (E.E.) Pa.
Harbaugh, Y.D. Jr. (C.E.) D. C.
Harder, Robert G. W. (M.E.) D. C.
Hendricks, John Everett (E.E.) Calif.
Herndon, Paul Holder, Jr. (E.E.) Fla.
Hewston, Elizabeth M. (Chem.) D. C.
Hossfeld, Raymond F. (E.E.) D. C.
Johnson, Roger C. (C.E.) Mo.
Keil, Lewis E. (E.E.) D. C.
Kinney, Don Ray (C.E.) Ohio
†Kirby, Walter J. (M.E.) Ohio
Morris, Charles M. (E.E.) D. C.
Mulford, Kenneth Eugene (E.E.) Md.
Mulligan, Rex Philip (Ch.Eng.) D. C.
Niemeyer, Herbert Fredrich (E.E.) D. C.
Orndorff, Roy L. (C.E.) D. C.
Pidgeon, Reniz (C.E.) D. C.
Prangley, Curtis Frederick (E.E.) D. C.
Schofer, Harry Nathaniel (C.E.) D. C.
Seckinger, Charles Robert (M.E.) D. C.
Silsby, Howard (Chem.Eng.) D. C.
Spencer, Joseph Baker (Ch.Eng.) D. C.
St. Omer-Roy, James Augustus (E.E.) Nev.
Thrasher, Ralph Harold (M.E.) D. C.
Wildman, John Philip (C.E.) Calif.
Wiles, William Gilbert (Ch.Eng.) D. C.

JUNIORS

Alpher, Robert Jerome (C.E.) D. C.
Andrews, Don Darrel (E.E.) D. C.
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Bateman, Roy Danby (M.E.) D. C.
Birthright, Milton Parkins (C.E.) D. C.
Bronaugh, Frank H. (E.E.) D. C.
Brush, Charles Edward (M.E.) Md.
Carter, Louis W. (M.E.) Kans.
Ellenberger, William Joseph (E.E.) D. C.
Evans, Verna Grace (Chem.) D. C.
Garrett, Franklin Tucker (E.E.) D. C.
Gebhard, Louis August (E.E.) N. Y.
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Haynes, John Lennies (C.E.) D. C.
Hepburn, Norman C. (M.E.) D. C.
Herzig, Henry W. (C.E.) D. C.
Hoffheins, Francis Mervin (Ch.Eng.) D. C.
Hoover, Elmer E. (E.E.) D. C.
Hunter, Earl (M.E.) D. C.
Klopfer, Lewis White (E.E.) D. C.
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*Lady, John Everett (E.E.) D. C.
Ledman, Hornbaker B. (Chem.Eng.) Va.
Lightfoot, Charles Eastman (Chem.) Va.
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Maguire, Bernard J. (C.E.) Mo.
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Mekis, Thomas Anthony (C.E.) N. J.
Phelps, Lewis Harvey (C.E.) Md.
Riley, Thaddeus A. (C.E.) Mo.
Ross, Frances Prichard (Chem.Eng.) D. C.
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Smith, Baxter (C.E.) Va.
*Stephenson, William Joseph (C.E.) D. C.
Thom, George Chester (E.E.) D. C.
Walter, George Lawrence (E.E.) D. C.
†Wardlaw, Joseph Patterson (C.E.) D. C.
Westhaver, James Waldo (E.E.) Colo.
Whitmeyer, Donald N. (M.E.) N. Y.
Wilson, Frank Marion (E.E.) N. J.
Wood, Richard Moulton (E.E.) D. C.
Wratten, Albert Edward (M.E.) D. C.
Yinger, Harry Lloyd (C.E.) D. C.

SOPHOMORES

Alexander, Albert Edward (C.E.) Md.
Anderson, Edward Neil (C.E.) D. C.
Apter, Leonard (Chem.Eng.) Conn.
Betikofer, Wilfred Alvin (Chem.) D. C.
Blew, Forrest Allen (M.E.) D. C.
†Borkik, Edward Leo (E.E.) D. C.
Boudinot, Henry Meigs (C.E.) Okla.
Bowman, Newell Leroy (M.E.) D. C.
Bradford, Thomas Alden (C.E.) D. C.
Brady, James Maple (M.E.) D. C.
Bramhall, Charles Harold (E.E.) Pa.
Brasel, John Royal (E.E.) D. C.
Brooks, Gilbert (C.E.) D. C.
Brown, James Kirkpartich (E.E.) D. C.
*Carleton, Raymond Braward (E.E.) N. C.
Caul, Harold John (Chem.Eng.) D. C.
Chinn, Marion Wesley (E.E.) D. C.
Copes, Robert E. (C.E.) Md.
Davis, Channing O. (C.E.) D. C.
*Dyer, William Washington (C.E.) Va.
Eno, Arthur R. (M.E.) D. C.
Fairman, Richard Heymes (C.E.) Md.
Feldstone, Benjamin (M.E.) D. C.
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Fisher, Isaac Francis (M.E.) D. C.
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Gartland, Robert Joseph (E.E.) D. C.
Haines, James Stafford (E.E.) D. C.

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Hand, Ellsworth Joseph (E.E.)	N. J.	Parker, Donald William (M.E.)	Conn.
Haskell, Frank Bosley, Jr. (Chem.)	D. C.	Parsons, Harry Benjamin (E.E.)	Idaho
Hawkins, Norment Doniphan (C.E.)	D. C.	Pennel, Martin Cartis (C.E.)	Mo.
Helvestine, Albert Harrison (E.E.)	D. C.	*Piniera, Felix Martin (C.E.)	P. I.
*Herges, Edward Peter (M.E.)	Minn.	*Poiley, Samuel Milton (M.E.)	Md.
*†Hess, Laurie Floyd (C.E.)	D. C.	Poppe, William Adolph (E.E.)	D. C.
Hook, Howard Arthur (C.E.)	D. C.	Press, Emil Asmus (C.E.)	D. C.
Howard, Forrest Keshina (M.E.)	Va.	Radue, Richard Glover (M.E.)	D. C.
*Hurd, Thomas Joseph, Jr. (M.E.)	D. C.	Reisinger, Fred (Chem.Eng.)	D. C.
Hutton, Alvin Campbell (E.E.)	D. C.	Reznek, Joel (M.E.)	D. C.
Johnson, James Lloyd (E.E.)	Ohio	Riecks, Charles Benjamin (E.E.)	Colo.
Johnson Livingston Lee (C.E.)	D. C.	Ringle, David, Jr. (E.E.)	Ill.
Judson, Elbert Bell (E.E.)	D. C.	Roeser, Haskell Peter (E.E.)	Wis.
*Keim, Walter George (E.E.)	D. C.	Roettiger, Henry Arthur (E.E.)	D. C.
Kenestrick, Millard Lewis (M.E.)	D. C.	Royer, Walter John (E.E.)	D. C.
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Lewis, William O. (E.E.)	D. C.	Sawyer, Richard Leigh (Ch.Eng.)	D. C.
Lokerson, John Thornton (C.E.)	D. C.	Scott, Paul Fordham (E.E.)	N. Y.
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McBride, Gordon Williams (Ch.Eng.)	Md.	Smith, Roger Don (M.E.)	Wis.
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McGinness, Alton White (C.E.)	D. C.	Swingle, Lester Monroe (M.E.)	D. C.
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Mason, Martin Alexander (M.E.)	Va.	Tompkins, Francis Meade (C.E.)	D. C.
Morfesi, Mrs. Louisa E. (E.E.)	D. C.	Tucker, William Armistead (M.E.)	Va.
Murphy, Gale (M.E.)	D. C.	Violette, Thomas Fager (E.E.)	D. C.
Murphy, Thomas F. (C.E.)	D. C.	Voight, Otto Dennis (C.E.)	Pa.
Nelson, Melville Cary (E.E.)	N. C.	Walker, Edgar Stover (C.E.)	D. C.
Nugent, John Anthony (M.E.)	Va.	Walsh, Joseph Gleason (C.E.)	D. C.
O'Connor, John Francis (M.E.)	D. C.	*Wenzing, Charles H., Jr. (E.E.)	Va.
*O'Connor, Thomas E. (C.E.)	D. C.	*Williamson, James Harold (E.E.)	

FRESHMEN

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Arnold, Philip (C.E.)	D. C.	Davis, Edward French (Chem.Eng.)	Va.
Ask, Reynold Everett (C.E.)	D.C.	Davis, James Henry (M.E.)	Mass.
Bailey, Frank E. (E.E.)	Ill.	DeBruin, Milton Hyman (M.E.)	D. C.
Baldwin, Thomas Robbins (M.E.)	D. C.	*Dickie, James Thomas (M.E.)	D. C.
Ball, John George (Chem.Eng.)	Pa.	Donelson, Samuel (M.E.)	La.
Banker, Russell E. (E.E.)	D. C.	Ducret, James Roy (E.E.)	Md.
Barker, George A. (M.E.)	N. Y.	Eranshaw, William I. (M.E.)	D. C.
*Bean, Albert Wilbur (E.E.)	D C.	Elefsiades, George (C.E.)	D. C.
Bearce, Herrick Franklin (E.E.)	Md.	Elliot, William Saunders (Physics)	D. C.
Bennett, Richard Dana, Jr. (M.E.)	Md.	Ellis, Greer (E.E.)	D. C.
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Birch, Philip Walden (C.E.)	Va.	Freeman, Andrew Foster (Chem.)	Va.
Bitner, Forrest Gary (M.E.)	D. C.	†Griesemer, Smiley Brink (E.E.)	D. C.
Blain, Wilber Alexander (C.E.)	Pa.	Gulick, Beverly Gray (C.E.)	Va.
Blose, James Frank (M.E.)	D. C.	Hamilton, Donald Menzies (C.E.)	Va.
Bopp, Arthur Ambrose (M.E.)	D. C.	Hamilton, Robert Martin (M.E.)	Mass.
Bovey, Harold Strole (E.E.)	D. C.	*Hanes, Grayson Bland (C.E.)	Md.
Boyd, Samuel (C.E.)	D. C.	Harrison, Louis Pincus (Physics)	D. C.
Bradford, Henry Knight (E.E.)	D. C.	Harvey, Charles William (C.E.)	Me.
Brate Albert Sylvester (C.E.)	Md.	Harwood, Kenneth Clifford (C.E.)	Me.
Brearley, James Meigs (M.E.)	D. C.	Hayward, Burgess Mackerron (M.E.)	D. C.
Brylawski, Julian Aaron (M.E.)	D. C.	Hayward, John Paul (C.E.)	D. C.
Burd, Howard Apgar (C.E.)	N. J.	Heare, Johnson Thomas (C.E.)	D. C.
Carr, Russell Wilberg (M.E.)	Md.	Hess, Robert Ernest (M.E.)	La.
Cassese, Anthony Ralph (M.E.)	N. J.	†Hentzel, Lowell Hayward (C.E.)	Va.
Cave, William J. (M.E.)	D. C.	†Hewes, Louis Claiborne (E.E.)	D. C.
Chartrand, Emerson James (E.E.)	Ill.	*Hinman, Wilbur Stanley, Jr. (M.E.)	D. C.
†Clark, Arthur Wetmore (C.E.)	D. C.	*Holland, Willis Seabury (M.E.)	D. C.
Cole, Howard Stapleton (C.E.)	D. C.	†Huntington, Robert T., Jr. (M.E.)	D. C.
Cook, John Mason (Chem.Eng.)	Md.	Hutchinson, J. S. (Chem.Eng.)	D. C.
Cowling, James Edward (E.E.)	D. C.	Irving, George W., Jr. (Chem.)	D. C.
Critchfield, Charles Louis (E.E.)	D. C.	†Johnson, Carl Dalton (M.E.)	
Curradi, Alfred Dean (C.E.)	D. C.	Joray, Paul Armand (C.E.)	

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*Kennedy, Robert Lee (M.E.) D. C.
King, Harvey Winter (E.E.) D. C.
†King, James Calder (E.E.) Va.
Kingsbury, Clifford Harkness (C.E.) D. C.
†Kingsolver, Abner Price (M.E.) D. C.
Lankford, Johnie (C.E.) Va.
Leckie, Samuel (C.E.) Wyo.
Lee, Thomas Girard (C.E.) D. C.
Lehman, Walter Sherwood (C.E.) D. C.
Lindsey, Kirk Edward (C.E.) Va.
†Linfoot, Wallace Summers (C.E.) Va.
Littell, Charles Henry (M.E.) D. C.
Lorleberg, Richard W. (E.E.) D. C.
Lowry, Alvin Lancaster (Chem.Eng.) Md.
Lynch, Raymond Montgomery (E.E.) Va.
McKee, Theodore Roosevelt (M.E.) D. C.
*McKee, Tracy Jean (M.E.) Iowa
McKnight, Merwyn Newell (M.E.) Va.
McNallan, Wilbur Thomas (E.E.) Minn.
McNeill, Chauncey St. Claire (C.E.) D. C.
McWhorter, Julian Howard (E.E.) D. C.
Mager, Edwin Estel (M.E.) D. C.
*Mallory, Robert Rhaines (E.E.) Md.
Mann, Isham Wesley (M.E.) Ala.
*Manning, Daniel Emmett (C.E.) D. C.
Meeds, William Pusey (E.E.) Md.
*Meyer, Ralph (C.E.) D. C.
Michaelson, Joseph McGregor (C.E.) D. C.
*Miller, Cearcy Dillon (E.E.) Va.
*Miller, Norman Egbert (E.E.) Md.
Mitchell, Thomas Warner, Jr. (E.E.) Md.
*Mitchell, William Harvey (C.E.) D. C.
Moats, Paul L. (E.E.) Md.
*Moeller, Edwart Ott (C.E.) D. C.
Moore, Robert Addison (C.E.) D. C.
Morris, William Jacob (C.E.) D. C.
Mulvanity, Harold Francis (M.E.) D. C.
†Neal, Oscar Thomas (E.E.) Md.
Nevitt, Laman Hine (C.E.) D. C.
Newton, Benjamin Baldwin (E.E.) D. C.
*Ormsby, Edmund (C.E.) D. C.
Palcho, Ted Emanuel (M.E.) Pa.
Parkman, Robert Breck (M.E.) D. C.
Perkins, Lawis Bryant (E.E.) D. C.
Perry, John Watson (E.E.) D. C.
Petzing, Edwin Rudolph (E.E.) Ill.
Phelps, Robert Everett (M.E.) Md.
Poor, John Wilbert (E.E.) D. C.
Powell, William McKelden (M.E.) Pa.
Powers, Richard James (Chem.Eng.) D. C.
Quentin, William John (C.E.) D. C.
Randolph, Buckner Magill (C.E.) D. C.
Reith, William Francis (E.E.) D. C.
Rhine, Walter Frederick (C.E.) D. C.
Roeder, Carl Henry (E.E.) Md.
Rogers, John Howard (M.E.) D. C.
†Rumsey, Leland Charles (M.E.) N. Y.
Runkle, Lloyd Maner (C.E.) D. C.
Sampson, Hugh Beauford (C.E.) D. C.
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Sawbridge, Ben M. (E.E.) D. C.
Schutt, Wallis Cogswell (C.E.) Va.
Seegmiller, Arlo Baker (E.E.) Utah
Shawen, Russell Taylor (E.E.) Va.
Sheiry, John Slater (C.E.) Md.
Shields, Robert W. (C.E.) D. C.
Silverman, Joseph M. (M.E.) D. C.
Skinner, Percy (C.E.) D. C.
Speich, John Emanuel (C.E.) D. C.
Sprinkle, Wilfred Barton (Chem.E.) D. C.
Stant, Aaronson Elwood (E.E.) D. C.
Stanton, Henry Edmund (M.E.) Md.
Staubly, Allen MacLean (C.E.) D. C.
Sterrett, William Dent (E.E.) D. C.
Stolley, Robert H. (M.E.) D. C.
Summerville, Wayne Leslie (E.E.) Pa.
Thomas, Arthur (M.E.) D. C.
*Van Doren, Marion Conrad (C.E.) Va.
Varela, Jacobo Adiran (M.E.) Uruguay
*Veale, James N. (C.E.) Ga.
Wardwell, Hilliare Powell (C.E.) Md.
Weed, William Howell (C.E.) D. C.
Wells, William VanHorn (C.E.) Va.
Whittaker, Gerald C. (C.E.) D. C.
Wood, Joseph Fickling (C.E.) D. C.
Woodzell, Stephen Russell (E.E.) Va.

UNCLASSIFIED

Baber, Leonard C. (E.E.) D. C.
†Bateman, Lewis R. (M.E.) D. C.
†Baxter, Elmer James (M.E.) D. C.
Cannon, Wayne Dillworth (M.E.) Utah
Carmick, Louis Grandin, Jr. (C.E.) D. C.
Clark, Charles Cleveland (M.E.) Md.
Crawford, Charles Henry (E.E.) D. C.
*Crouch, William Henry (C.E.) D. C.
Crouse, William Austin (Physics) Minn.
Dent, John Clayton (C.E.) D. C.
*Dorn, Harold Alvin (C.E.) N. Y.
Dyar, Roshan Wilford (E.E.) D. C.
Estrella, Procopio (C.E.) P. I.
†Ewin, James Lithgow (M.E.) D. C.
Falco, Maceo (C.E.) Conn.
Goodwin, William James (C.E.) Utah
*Graybill, Tully (M.E.) Va.
†Haire, Reece R. (C.E.) Va.
Harrison, Albon Wayne (C.E.) Tex.
Head, James William (C.E.) Va.
Higgins, Laurence Tracy (M.E.) D. C.
Hillyer, Curtis Lucius (C.E.) D. C.
Johnson, Harry Wiswell (M.E.) D. C.
†Jones, Thomas A. (C.E.) D. C.
Kowaleski, John Francis (C.E.) D. C.
Latham, William Thomas (C.E.) D. C.
Leatherwood, Reuben (C.E.) Md.
Lehman, Paul Henry (C.E.) D. C.
†McCord, Harlan C. (M.E.) Nebr.
Mills, Morris Hammond (E.E.) D. C.
*Mitchell, Allen Stuart (E.E.) D. C.
Mitchell, James Robert (C.E.) D. C.
Moore, Robert Woodward (C.E.) Md.
Morris, Lynn (Chem.Eng.) Utah
†Orton, William Henry (E.E.) Utah
Parsons, Richard A. (M.E.) S. Dak.
†Portch, Joseph Harry (C.E.) D. C.
†Potter, Gordon V. (M.E.) D. C.
Purchase Albert Richard (C.E.) D. C.
*Read, Harwood Edwards, Jr. (E.E.) D. C.
Rhodes, Wallace Hills (E.E.) D. C.
Shearer, Howard Elsworth (M.E.) D. C.
Sutherland, Earl Chalmers (C.E.) Utah
Turner, Otis Lee (E.E.) Va.
*†Werner, Ralph Arthur (C.E.) Va.
Wilcox, Chester M. (C.E.) D. C.

SPECIAL STUDENTS

Adams, John Carter — Va.
Anda, Magnus — Calif.
Barnard, Preston Harry — D. C.
Barry, James Milton — D. C.
B.S. 1927, The George Washington University
*Bauserman, Elliott VanHorn — Va.
Bond, Cornelius Combs — D. C.
Bullion, LeRoy DeWolf — D. C.
Burr, Frederick A. — D. C.
Callahan, Claude M. — Ind.
Cannon, Matthew Hamlin — D. C.
Coakley, Roy McNeil — D. C.
Connor, Harry C. — D. C.
Conover, John Woodhull — D. C.
DeJonge, J. Carl — Mich.
*Drennan, Jeremiah John — D. C.
Dyer, M. Russell — D. C.
Emshwiller, John Patterson — Ind.
Engen, Gilbert A. — N. Dak.
Fairall, Horace Leonard — Md.
†Gallagher, Andrew S. — D. C.
Gottwals, David Hunt — Md.
B.S. 1924, Carnegie Institute of Technology
Green, Earl — Mo.
Grove, Selbie Denton — Mich.
Hardesty, Lizzie B. — Ky.
B.S. 1909, University of Kentucky
Harms, William Henry — D. C.
Hockman, Irving Jacob — D. C.
Holmead, William Frederick — Md.
Holt, Raymond Nelson — Tenn.
Jackson, George Maynard — Tenn.
*Jones, Edward C. — D. C.
*Keys, Thomas Hazen — D. C.
*Lankford, Leroy Albert — Va.
†Lee, Joseph Fitzhugh — D. C.
McGregor, Clifford James — Mich.
*Muir, Henry K. — D. C.
†O'Melveny, Charles William — D. C.
†Palmer, Jay W. — D. C.
*Parrott, William McDowell — Va.
Rees, Paul Taylor — Ind.
†Rice, Warren — D. C.
Roberts, George Dewey — D. C.
*Sharnoff, Morris — Ohio
B.S. 1924, Tri-State College
†Smith, Eugene Christoper — Va.
†Snow, Alvah Levern — Mo.
Stockmann, Leroy Leonard — D. C.
Swett, Albert Goodwin — D. C.
†Urban, George Walter — Ohio

THE SCHOOL OF PHARMACY

REGULAR STUDENTS

Allman, James Joseph	D. C.
Aronstein, Charles	D. C.
Barnett, Edward Joseph	Ind.
Bass, Benjamin	D. C.
Bassett, Irving Albertson	D. C.
*Bradley, Louis Francis, Jr.	D. C.
Bretler, Herman Bear	D. C.
Brill, Harry Louis	D. C.
*Carey, Burdell Lowry	W. Va.
Cawthorne, Hugh Stockman	Md.
Clements, John William	Pa.
Everly, Frederick Mahlon	Va.
Fiore, Augustine	D. C.
*Frankel, Samuel	N. J.
Fraser, Stanley Fletcher	D. C.
Garofalo, Peter	N. Y.
*Gesas, Horace S.	Idaho
Goldstein, Louis John	D. C.
*Haley, Millard	D. C.
Hoddes, Isidore Nathan	D. C.
Jovane, Nicholas	Panama
*Kantrowitz, Hyman	D. C.
Kessler, Louis Harry	D. C.
Leiderman, Samuel Arthur	D. C.
Loveless, Melvin Nathaniel	D. C.
Maiorana, Jeraldo Ralph	N. J.
*Maisel, Benjamin	Md.
Mamula, Robert	Pa.
Martz, William Ernest	Va.
Masino, Frank	D. C.
May, Howard Jerome	Pa.
*Mendelson, Israel M.	Md.
*Miller, Meron Van	Va.
Morgenstein, Alvin	D. C.
Norelli, Vincent Benjamin	Conn.
Richman, Samuel	D. C.
Rosen, Harry	D. C.
Rosen, Israel Philip	D. C.
Rosenblum, Israel Aaron	D. C.
Santasiri, William Felice	N. Y.
Sasher, Bert Campbell	Va.
Schenick, Joseph	D. C.
Sciacca, Albert James	D. C.
Shapiro, Philip	Va.
Shere, Isadore	D. C.
Sinclair, Theodore Beall	Md.
Smallwood, Manuel Isadore	D. C.
Smith, Milton	D. C.
Smith, Rudolph Martin	Md.
Snigoski, Joseph Marion	D. C.
Stine, George P.	D. C.
Sugar, Samuel Jacob	D. C.
Sullivan, Thomas Raymond	D. C.
Thompson, Marvin Russell	D. C.
Trantham, Harold Donvon	D. C.
*Tyler, Robert Raymond	D. C.
Walter, Charles Samuel	D. C.
Weinstein, Samuel	D. C.
Whitehead, John Lewis	Va.
Whitestone, Isaac Melvin	Va.
Williams, Charles Richard	Md.

THE SCHOOL OF EDUCATION

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

SENIORS

Alverson, Maxine Rogene	Pa.	McAuliffe, Eleanor P.	D. C.
†Arnold, Celia	D. C.	McCauley, Alice Olivia	D. C.
Ballinger, Lulu Emma	D. C.	Maloney, Emma Jane	Ohio
Beattie, Cathleen Elizabeth	Va.	Mangum, Clara Bell	Mo.
Bergin, Katherine Elizabeth	D. C.	Mason, Mrs. Chlorus K.	D. C.
*Blanks, Carolyn	D. C.	Masson, Helen Burd	Va.
Brooks, Hester	D. C.	Monroe, Mildred J.	D. C.
Burrell, Veta Mae	Ga.	Moore, Margaret	Ohio
*Churchwell, Dorothy Burns	D. C.	Moyer, Ada L.	Me.
*Coates, Lyla Mildred	D. C.	Palmer, Arline Francena	Md.
Connick, Mildred Ruth	D. C.	Parker, Vera R.	D. C.
Cornwell, Florence Newell	D. C.	Parton, Virginia M.	Ind.
Craighill, Dorothy	N. C.	Parvis, Bertha	Va.
Curran, Mary Belle	D. C.	Payne, Nellie Angeline	Va.
Day, Katherine S.	D. C.	Payne, Willie May	Va.
Denison, Harriet Alberta	D. C.	Ramey, Elizabeth Margaret	D. C.
Dyer, Hazel Elizabeth	D. C.	Ramsey, Olive Elizabeth	N. C.
Featherston, Ellen Ruffin	D. C.	Rives, Fay	N. C.
Finnie, Ruth	D. C.	Rowe, Ellen M.	D. C.
*French, Helen	D. C.	Sanderson, Lennie Roberts	D. C.
Fulton, Clara Gaines	Md.	Sellers, Kathryn Louise	D. C.
Grant, Florence Edith	N. Y.	†Sheads, Mary Elizabeth	D. C.
Green, Mildred	D. C.	†Shewmaker, Roberta	D. C.
Groover, Marion Irvine	Ga.	Short, Margaret M.	N. C.
Hammond, Grace Wilhimina	Va.	Sloop, Lura Belle	D. C.
Harris, Freeda Lucille	D. C.	Smith, Dorothy Millecent	D. C.
Hawley, Katherine G.	D. C.	Smith, Gladys G.	D. C.
Haycock, Bernadien J.	D. C.	Smith, Rose Marie	D. C.
Holden, Ruth	Tenn.	Streett, Margaret	D. C.
Howard, Mary Mae	D. C.	Suter, Thurza E.	Va.
Hughes, Mary Estelle	Ga.	Vaughan, Clara Blanche	D. C.
Hull, George Russell	Md.	Veihmeyer, Louise	D. C.
Jackson, Jean Van Loar	D. C.	Walsmith, Retta Esther	D. C.
*Jewell, Edgar Guy	Md.	Wanstall, Grace	D. C.
Karmany, Edward Lincoln	Pa.	Wildman, Elise Pauline	D. C.
*Kilerlane, Madeline Mudd	D. C.	Williams, Christine Margaret	D. C.
Knapp, Margaret Eagelman	D. C.	*Winn, Agnes S.	Me.
Lackey, Mary	D. C.	Wolfenbarger, Floy	D. C.
Loar, Jean MacFarland	Md.		
Lockwood, Margaret Mary	D. C.	*Woodward, Edna Hazard	

JUNIORS

Adkins, Edna M.	D. C.	Campbell, Ruth	D. C.
Albee, Irma	D. C.	Card, Pearl Beard	D. C.
*Aldridge, Beulah Price	D. C.	Carden, Mrs. Mary Stuart	D. C.
Allen, Cornelia Morgan	D. C.	Carle, Marian Larner	Wash.
Alley, Eva L.	Iowa	Chapman, Elsie Frazer	D. C.
Anderson, Audrey J.	Va.	Chatelain, Alice Bertha	Md.
Anderson, Mildred Ruth	D. C.	*Clinton, Lahuna Elizabeth	N. Y.
Anderton, Alice Althea	D. C.	Cogovan, Rosemary Florence	D. C.
Baker, Eva	D. C.	Cohen, Jennie Harmel	Va.
Barnes, Ruth Ellen	D. C.	Collins, Edna Preston	D. C.
Baxter, Ruth Dreher	D. C.	Connor, Ruth Frances	D. C.
*Becker, Edith	Mo.	Cook, Dorothea Allen	Md.
Beller, Mary Adelaide	D. C.	†Cook, Mrs. Laurel Dana	Md.
Benson, Elizabeth English	Md.	Cox, Thelma Cecelia	Va.
Bickford, Mildred Fay	D. C.	Cox, Winnie Williamson	D. C.
Broadbent, Janet Stovery	Md.	Crain, Naomi Virginia	Va.
Brunner, Mabel Viola	D. C.	Crocker, Virginia Mae	D. C.
Burch, Helen Regina	D. C.	Crowley, Mary Katherine	D. C.
*Burch, Irma Louise	D. C.	Cullen, Virginia Claire	D. C.
Burroughs, Janice	D. C.	Cummings, James E.	Va.
Busick, Cornelia E.	Va.	Currie, Dora Katherine	
Camp, Gladys Hobgood	Ga.	Davis, Lucy Mildred	

Davison, Ruth Lowe	D. C.
Dawson, Dorothy Finckel	D. C.
*Dickie, Mary Madelyn	D. C.
Didden, Elizabeth Anne	D. C.
Drew, Helen Cutting	D. C.
Edwards, Florence Dorothy	D. C.
Esch, Evelyn Mildred	D. C.
Everett, Kathryn Lucille	D. C.
Finckel, Elinor Keller	D. C.
Foehl, Marie Elizabeth	D. C.
Forbes, Ina	N. Y.
Fryer, Thelma Elizabeth	D. C.
†Fullenwider, Helen E.	Ind.
Gillchrest, Estelle M.	D. C.
Gleason, Anne F.	D. C.
Goldsmith, Henrietta Wilson	D. C.
Gravatt, Florence	D. C.
Greenwood, Ruth	D. C.
Harris, Cornelia Van B.	D. C.
Haskins, Anne Meade	Va.
Heinig, Christine May	Va.
Hill, Alice Marguerite, Mrs.	Iowa
Holmes, Franklin A.	D. C.
*Hoskins, Mary Lewis	D. C.
Howard, Josephine T.	D. C.
Israel, Winifred Boyce	Va.
Johnson, Laskey	D. C.
Johnson, Mrs. Laskey Wanstall	D. C.
Johnston, Marien Brinkley	D. C.
*Jones, Ola Carawan	Pa.
Jordan, Isabel Louise	D. C.
Jump, Margaret Dorothy	D. C.
Kauffman, Wilbur R.	Md.
Keating, Anne C.	Pa.
Keith, Mary M.	Ohio
Kellogg, Helen M.	D. C.
Kirk, Ruth Kimbrough	D. C.
†Kirkley, Mrs. Martha Own	Va.
Kupfer, Julie Adele	D. C.
Lee, Laura Canfield	D. C.
Lehew, Helen F.	D. C.
Lichtenberg, Sylvia Mary	D. C.
Macarthur, Ruth Dolores	D. C.
Meirs, Lois Howell	D. C.
Meyer, Louise Land, Mrs.	D. C.
Miles, Elizabeth Webb	D. C.
Minor, Iva Gola	D. C.
Mitchell, Emiley Floyd	D. C.
*Molster, Jean Lawson	Md.
	D. C.

*Mothershead, Katherine Schneider	D. C.
Motyka, Agnes Louise	D. C.
Nichols, Mildred Jenney	D. C.
Norris, Mary Lenora	D. C.
Ockershausen, Carla Henrietta	D. C.
Ockershausen, Marie Fredericka	D. C.
Orem, Dorothy Ann	D. C.
Painter, Fern Henrietta	D. C.
Percy, Mildred St. Martin	D. C.
Philpitt, Blanche Williss	D. C.
Polacoff, Molly	Va.
Reed, Edward D.	D. C.
Reed, Margaret Burton	D. C.
Rich, Catherine Rita	D. C.
Rooney, Catherine Marie	D. C.
Rosenblum, Rebecca	D. C.
Ross, Helen Regina	D. C.
Ruby, Mary Helen	D. C.
Schmidt, Regina Marie	D. C.
Senitiere, Chloe Emilee	La.
Shaw, Catherine Louise	Md.
Shaw, Dorothy	D. C.
Shaw, Roselia Beatrice	D. C.
Shewmaker, Sibyl	D. C.
Sikes, Margaret Lucile	Calif.
Simonsen, Ida	D. C.
Sims, Mrs. Lottie May	Md.
Smith, Frances Winfield	Md.
Snowberger, Garnet	Ind.
Sparks, Donna-May	D. C.
Spengel, Freda	Ill.
Spielman, Eleanor	D. C.
Staggers, Harry Gale	Md.
Stebbins, Daphen LaZelle	Md.
Stein, Elizabeth	D. C.
†Sutton, Paul Francis	D. C.
Teepe, Elizabeth Ada	D. C.
*Thomson, Claudia	D. C.
Ward, Louise Markley	D. C.
Warrington, Mary Elizabeth	Del.
†Weadon, Leafy Margaret	Va.
*Weedon, Caroline Elizabeth	D. C.
Wenchel, Anna Louise	D. C.
Wescott, Mary Anne	Va.
Wilcox, Blanche B.	D. C.
Williams, Edith Margretta	D. C.
Wilson, Dorothy Young	D. C.
Wood, Bessie Taylor	D. C.
Woody, Zora	N. C.

SOPHOMORES

Andreen, Florence Mae	D. C.
Appler, Helen Irene	D. C.
Arends, Katherine S.	D. C.
Atkins, Constance Hay	D. C.
Baldwin, Bowman Hoah	D. C.
Ball, Marjorie Dearing	D. C.
Bannon, Mary Elizabeth	Md.
†Barnes, Gordon R.	D. C.
Barry, Helen Louise	D. C.
Beall, Winifrede	D. C.
Belt, Estelle Anne	D. C.
Benenson, Martha	D. C.
Benning, Doris Briggs, Mrs.	D. C.
*Bernhard, Dorothy Raymond	D. C.
Bixler, Evelyn Truth	D. C.
*Blankenship, Anna Thorne	D. C.
Blythe, Irene Thomas	D. C.
†Borches, Esther Anna	D. C.
Botkin, Eugenia	D. C.
†Brinkley, Marion Kiefer	D. C.
Buck, Wanda P.	Va.
	D. C.

*Burke, Betty	D. C.
*Burley, Mary Evelyn	D. C.
Burmeister, Josephine	D. C.
*Bush, Mary Louise	D. C.
Campbell, Marion William	D. C.
Chamblin, Elizabeth Marshall	D. C.
*Chesteen, Naomi Helen, Mrs.	D. C.
Clagett, Lucy Amanda	D. C.
Clark, Anne Fallan	D. C.
Coffman, Virginia Maphis	D. C.
Compton, Dorothy Elizabeth	Va.
Conklin, Mildred Antoinette	D. C.
Cooper, Ruth Baldwin	D. C.
*Croswell, Frances	D. C.
*Cumpston, Anna Ramsay	D. C.
Darr, Verna Elizabeth	D. C.
Davis, Sarah Louise	D. C.
Dawson, Ludie Ruth	D. C.
Dement, Mary Frances	D. C.
Donohay, Katherine	D. C.
*Driscoll, Gertrude Mary	D. C.

Durisoe, Lela R.	D. C.	†Macneil, Winifred Agnes	D. C.
Durnbaugh, Evelyn Grace	D. C.	*Mandler, Alice Elizabeth	D. C.
*Eastlack, Mary	D. C.	Marshall, Miriam Ivy	D. C.
Edmiston, Beryle	D. C.	Mathews, Minnie Healey	D. C.
Edwards, John A.	Miss.	*Mercier, Lola Alice	Pa.
Fielden, Elizabeth	Pa.	Morris, Walter Newth	D. C.
*Flack, Gertrude Schmidt	D. C.	Morrow, Elizabeth Catherine	Va.
*Fletcher, Mildred Jane	D. C.	Nance, Nellis Ward	Minn.
*Flint, Anne Louise	Md.	Nelson, Cora E.	Va.
Folsom, Evelyn M.	D. C.	*Nevitt, Mary Ellen	D. C.
Foster, Charles F.	D. C.	Niemeyer, Gertrude Elizabeth	D. C.
Gaddess, Marion	D. C.	O'Neal, Ella Regina	D. C.
Gardner, Emma Almeda	D. C.	†Palmer, Grace Croswell	D. C.
Gibson, Cornelia Gray	D. C.	Peacock, Myrtle Cecelia	D. C.
Gilbert, Edythe D.	D. C.	Price, Adele Spence	D. C.
Goodpasture, Esther May	D. C.	Price, Mary Adle	D. C.
Graham, Penelope	D. C.	Probey, Helen Louise	D. C.
Griffith, Catherine Adams	D. C.	Pyle, Dorothy Boyd	Md.
Griffith, Elizabeth Dickerson	D. C.	*Reeves, Eleanor Elizabeth	D. C.
Grubb, Margaret May	D. C.	Riorden, Helen Mead	Md.
*Gruver, Bessie Humphreys, Mrs.	D. C.	Robb, Theodore	D. C.
*Gutelius, Catharine Howell	D. C.	Rogers, Rebecca Martha	D. C.
*Guthridge, Eleanor Claggett	D. C.	*Sanford, Grace Garrison, Mrs.	Mo.
*Harmel, Ida	D. C.	†Schiffman, Jane	D. C.
Henderson, Mary Ann	D. C.	*Schmucker, Catherine Virginia	D. C.
Herndon, Miriam J.	Ky.	Schott, Frances Lee	D. C.
Hickman, Louise	D. C.	*Sharman, Susie Anna	D. C.
Hicks, Margaret Augusta	Md.	Shaw, Martha Melick	Mich.
Hoover, Lois Elizabeth	D. C.	Smedman, Ruth Margaret	D. C.
Hoyt, Mary Evelyn	D. C.	Smith, Eleanor Barbara	Md.
*Humphrey, Rose Castell	D. C.	*Smith, Laurina May	D. C.
Huntington, Ruth Louise	D. C.	†Smith, M. Gertrude	Va.
Hutt, Sylvia Costin	Va.	Steele, Mary Kathleen	D. C.
†Keliher, Ann Rita	D. C.	Stockbridge, Margaret May	D. C.
Kushner, Irene C.	D. C.	Towner, Ethel Lois	D. C.
*Lacy, Verna Elaine	D. C.	Townson, Helen J.	Md.
Lavine, Estelle Ida	D. C.	Trainor, Gertrude MacVean	D. C.
*Leech, Dorothy Edmonston	D. C.	Tripp, Dorothy Leonora	Md.
Lindsay, Elsie P.	D. C.	Vandoren, Alice Krager	D. C.
Lindsay, Margaret Louise	D. C.	*Vanduyne, Edna	D. C.
Litman, Bessie	D. C.	Walker, Amalie Elizabeth	D. C.
*McFarland, Mary Cornwell	D. C.	Watson, Jean Evelyn	D. C.
McGregor, Jean	D. C.	Wayland, Julia Eleanor	Va.
McPheeters, Mary	D. C.	*Whitlock, Madeline Winefred	D. C.
McPheeters, Scottie	D. C.	Wondrack, Walter John	D. C.
†Macoughtry, Helen Gertrude	D. C.	Wood, Judith Goodwyn	
Machmer, John Henry	Pa.		

FRESHMEN

Abiera, Petronilo Asejo	P. I.	Daniels, Margaret Elizabeth	N. J.
*Alden, Anna Grace	D. C.	Dawson, Marie Ann	D. C.
Allwine, Elsie May	D. C.	*DeBerriz, Felipe Teixido	D. C.
Barrett, Marion Louise	D. C.	Devlin, Veronica Anne	Va.
Bauer, Grace Margaret	D. C.	Dew, Lorna Arbery	D. C.
Berto, Charles	Ohio	*Dice, Gladys Romaine	D. C.
Blessing, Clarence Curtis	D. C.	*Dirrim, Bernice	D. C.
Blount, Margaret Lee	D. C.	Donnelly, Stasia Virginia	D. C.
Bonifant, Virginia Louise	Md.	Drake, Beulah Jones	N. J.
Bonner, Anna Louise	Md.	Dresden, Edith E.	D. C.
Boteler, Hester	D. C.	*Ebel, Mary Killeen	D. C.
*Bowman, Olive Lay	D. C.	Eckhardt, John Carl	D. C.
Brantley, Frances S.	D. C.	*Edes, Juliet Parker	D. C.
Brown, Hobert Elburn	D. C.	*Everett, Virginia Amelia	D. C.
*Buchalter, Miriam	D. C.	Fleming, Mary	D. C.
Butler, Edward Fox	Va.	Follin, Katharine	D. C.
Casteel, Sarah Catherine	D. C.	Fowler, Ida Mae	Ill.
Cleary, Camilla Genevieve	D. C.	Frisbie, Kenneth Walden	D. C.
*Clements, Julia Lee	D. C.	Fugitt, Helen Jean	D. C.
Cliff, Caroline Josephine	D. C.	Geiser, Mary Beatrice	D. C.
Clift, Silas Earl	D. C.	Gross, Virginia Augusta	D. C.
Clough, Mary Frances	Md.	Grunwell, Mary Elizabeth	
*Connelly, Mary Elizabeth	D. C.	Gunther, Anne Agnes	

Hall, Frances Whitlock	D. C.
Hall, Helen Beryl	D. C.
Hall, Lois Mary	D. C.
Halpern, Yetta Rosalind	D. C.
Handy, Effie B.	D. C.
†Hanes, Doris	D. C.
*Hannan, Loretto	D. C.
Harlan, Frances McNeer	D. C.
Haugen, Zelma Ames	D. C.
Haynie, A. Laura	D. C.
Healy, Helen D.	D. C.
*Hecox, Geneva Johnston	D. C.
*Heilig, Ruth Marion	Va.
†Hess, Mrs. Jeanette S.	D. C.
Hill, Carolyne Herman	D.C.
Hill, Dorothy Vernon	S. Dak.
Hobbs, Maude D.	Ind.
Holcomb, Joseph Newton	Va.
†Holmes, Gladys	Ga.
Hoskinson, Virginia C.	D. C.
†Houston, Flora K.	D. C.
*Howard, Mary Cecelia	D. C.
†Howard, Ruth Morrison	D. C.
Huenchullan, Arturo	D. C.
Hughes, Louise Ruppert	Chile
*Isherwood, Catherine Koontz	D. C.
Jacobs, Laura	Md.
Jacobs, Pearl Virgil	D. C.
Jaffe, Helen	D. C.
James, Louise K.	D. C.
*Janney, Grace McPherson	Md.
Keesecker, Mrs. Mary M.	D. C.
Kiernan, Helen Cogan	W. Va.
*King, Mary Anna	D. C.
Kise, Eleanor Elizabeth	D. C.
Leane, Mary Hannan	D. C.
†Lefever, Rose Lillian	D. C.
*Lehr, Henry Franklin	D. C.
*Leffer, Georgia Hummer	Md.
Levine, Beatrice	Md.
Lindsay, Meta R.	D. C.
McDaniel, Aline Gertrude	D. C.
Maciulla, Mary Rosina	D. C.
Mahoney, Ruth Katherine	D. C.
*Meyers, Edith Irene	D. C.
Miller, Doris Spillma	D. C.
†Muir, Vera Helen	D. C.
*Mullahy, Mary Helen	D. C.
Munsey, Louise Blair	D. C.
	D. C.

Murphy, Alice Elizabeth	D. C.
Neeb, Marie Marguerite	D. C.
Newman, Marian Anderson	D. C.
Ortlip, Annie Pollock	D. C.
Padgett, Anna Madeline	D. C.
†Parrish, Viola Glazat	Mich.
Payne, Margaret Seay	D. C.
Pittman, John Irvin	D. C.
Richtmeyer, Dorothy Anne	Va.
†Riggles, Nelly F.	D. C.
Rodgers, Kathryn	D. C.
*Sawyer, Annie E.	D. C.
Scheidel, Otto	D. C.
Schutz, Evelyn Elizabeth	Md.
Schwartz, Sylvia Teresa	D. C.
*Scull, Murile Joy	D. C.
Sharf, Al Thomas	Va.
†Shewmaker, Emily Ethel	D. C.
Siegrist, Marie Louise	D. C.
Simpson, Carol Louise	D. C.
Somera, Antonia Siruno	D. C.
Sproul, Mary Thornton	D. C.
Staggers, Elaine	D. C.
Starratt, Ruth Pickens	Md.
Stearns, Lydia Marie	D. C.
Stolar, Annie Sylvia	D. C.
Stryker, Rose Margaret	D. C.
Summers, Catharine Snowden	D. C.
Tavern, Nicholas Tristam	Mich.
Taylor, Vinette Gladys	Md.
Thomas, Sue Emmert	D. C.
Troxel, Mildred Mae	D. C.
Umbaugh, Margaret Grimm	D. C.
Vaughan, Sarah Madeline	D. C.
Volkman, Ada Isabel	D. C.
*Voll, Mary Margaret	D. C.
Wall, Bernice Virginia	D. C.
Warde, Ethel May	D. C.
Whaler, Elizabeth Gray	D. C.
White, Catharine Louise	Va.
White, Elizabeth A.	D. C.
Williams, Martha Jane	Md.
Williams, Mildred Byrne	Va.
Williams, R. Eugenia	D. C.
Williamson, Goldie Marie	D. C.
Wilson, Emma	Ind.
Young, Beulah Adams	Va.
*Zeiders, Harriet Irene	Pa.

UNCLASSIFIED

Adams, Selden Carlyle	D. C.
†*Andrew, Josephine L.	D. C.
†Boyd, Clarence Howard	Ind.
Brown, Kathryn Isabel	D. C.
*Brunner, Marion Yoder	D. C.
Chamberlin, Elsie	D. C.
*Close, Marion Brown	Md.
Compton, Cora Pearl	Ark.
*Cornell, Madeline Harriet	D. C.
Cotter, Katherine Patricia	D. C.
*Diller, Hilda Marie	D. C.
†Douglas, Marvel Anna	D. C.
Drewry, Elizabeth Belle	D. C.
Driscoll, Alice Elizabeth	D. C.
Dyson, Doris Jeanette	D. C.
*Edelen, Harriet Ophelia	D. C.
Fay, Helen	D. C.
Freeman, Willye Beulah	D. C.
*Frost, Juliet Warren	D. C.
Frye, Virginia King	D. C.
†Garrett, Mrs. Patsy	Va.

Gerstin, Lucille	D. C.
Gideon, Elizabeth Louise	Va.
Gilbert, Dorothy	Va.
Goldiner, Dora Lincoln	D. C.
Goodwin, Myrtice Ruth	Ill.
*Haas, Edith Bruce	Md.
*Herron, Evva May	D. C.
*Heyman, Gertrude Rosenberg	D. C.
*Hiscox, Nell Fremont	Md.
*Hodgson, Katherine Elizabeth	Md.
Hosterman, Catharine Elizabeth	D. C.
Hunt, Lucy Jones	D. C.
Inman, Macon	Md.
Jenkins, Hazel Elizabeth	Md.
*Kaplan, Leah	D. C.
*King, Phyllis Elizabeth	D. C.
Langer, Catharine Scott	D. C.
MacNair, Helen Miller	Va.
†Makover, Estelle Helene	D. C.
Marshall, Violet Anath	D. C.
Michaelson, Margaret McKenzie	D. C.

*Morris, Sara Roberta	D. C.
Murray, Margaret	D. C.
O'Brien, Margaret Eileen	D. C.
*Parsons, Mary Ada	D. C.
Polacoff, Yetta	Va.
Pollock, Vesta Alberta	D. C.
Reikes, Rose	D. C.
Seaman, Eldeane Longfellow	Md.
Sisson, Abbie Mills	D. C.
Smith, Bertha Estelle	D. C.
†Smythe, Dorothy Watson	Md.
†Snyder, Alice Pauline	D. C.
†Stanley, Marie	Calif.
†Stier, Alma D.	Md.
†Stup, Alice Virginia	Md.
Telford, Josephine Lindsley	Ky.
Thompson, Anna Savilla	D. C.
*Tyler, Virginia Evelyn	D. C.
†Wakeman, Laura J.	D. C.
*Wells, Julia E.	D. C.
White, Anna Duvall	Md.
*Wills, Dorothy Jordan	D. C.
*Yancey, Sue	D. C.
Youngkin, Anna May	D. C.
Yowell, Olga Virginia	D. C.

SPECIAL STUDENTS

*Acheson, Elizabeth N.	Md.
Albert, Gertrude A.B. 1907, University of Iowa	D. C.
Alexander, Libbie Smith	D. C.
*Amouri, Leslie	D. C.
*Bagby, Adah L.	D. C.
†Beall, Dorothy Joyce A.B. 1928, The George Washington University	D. C.
*Booth, Mrs. Rebecca A.	D. C.
Boyle, Elizabeth Gertrude	Md.
Brady, Katherine Dorothea	D. C.
*Burbank, Roland Wainwright	D. C.
†Byler, Emma Shumway A.B. 1928, The George Washington University	D. C.
*Carey, Lena Hughlett	Va.
*Carey, Mary Lindsay	Va.
Carlon, Frieda McNeil A.B. 1916, Millsaps College	D. C.
Carter, Elizabeth Melick	Md.
Cleveland, Hildegarde	D. C.
Davidson, Myrtle	Md.
*Draney, Mary Elizabeth	D. C.
*Elsberry, E. Lyle	N. Dak.
†Gardner, Eulalie	Va.
†Glazat, George	Mich.
Graff, Marie Christine	D. C.
Grening, Louis Beecher	D. C.
†Hatcher, Margery	D. C.
*Henry, Lola J.	D. C.
†Hermann, Margaret Faerber	D. C.
*Herrnon, Anna Lee	D. C.
†Hussey, Edith Mary	D. C.
†Jamieson, Elizabeth Cecelia A.B. 1928, The George Washington University	D. C.
Janson, Elsie S. A.B. 1927, University of Montana	Mont.
Joyce, Ages C.	Md.
†Kalb, Dorothy Buhrman A.B. 1916, The George Washington University	D. C.
Kelsey, Gertrude Eloise	D. C.
*King, Thomas Aloysius	D. C.
*Lawrence, Beatrice H.	D. C.
†Lewis, Elizabeth Stanton A.B. 1927, The George Washington University	D. C.
*Lewis, John Lambert	W. Va.
*McBride, Maude	D. C.
McPherson, Maud Esther	D. C.
*Mangum, Susie Alice	Md.
†Matthews, Abigail	Md.
*Maxson, Ruth Harper	D. C.
*Miller, Netta Gallagher	P. I.
*Monleon, Peter Olmedo A.B. 1911, St. Francis Xavier; A.M. 1926, Catholic University	D. C.
†Moon, Marthena Davis	Va.
Morris, Lineta B. Caples	Md.
Moss, Mrs. Rose Mercer A.B. 1924, The George Washington University	D. C.
Musgrave, Ruth Lorimer	D. C.
Naylor, Elizabeth	D. C.
Naylor, Ruth	D. C.
*Normandy, Eleanor Rhea	D. C.
Ogden, Mary Anderson	Miss.
Pace, Levin Magruder	D. C.
Palmer, Ethel Haxton	D. C.
Phillips, Altina Lane, Mrs.	D. C.
*Reynolds, Llewellyn Swenn	Va.
Righter, Bertha B.S. 1928, State Teachers College, Fredericksburg, Va.	Va.
†Rowlett, Mary Louise B.S. 1926, State Teachers College of Virginia	D. C.
Russell, Beatrice	D. C.
†Rynerson, Lena Drew	D. C.
Schmitt, Joy M.	D. C.
Searle, Juliet MacCall	Md.
*Seaton, Stuart Luman	D. C.
†Shorey, Elizabeth Frances	D. C.
†Smith, Marian J.	D. C.
Smoot, Loraine, Mrs.	Va.
Springman, Helen B. Duvall	D. C.
*Steinberg, Flora Gertrude	D. C.
Taylor, Myrtle Welch	La.
Tenny, Mary Adelaide	D. C.
Thornhill, Lucy A.	D. C.
Umhau, Katharine S.	Va.
Wilkinson, Dorothy Eunice B.S. 1923, State Teachers College, Fredericksburg, Va.	

GRADUATE STUDENTS

CANDIDATES FOR DEGREES

Abel, James Frederick (Ph.D.) Nev.
A.B. 1901, University of Nevada; A.M. 1918, Leland-Stanford University; *Major:* Education

*Benner, Harry L. (A.M.) Md.
A.B. 1923, The George Washington University; *Major:* Education

†Bixler, Mary E. (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Education

Blum, Janice (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Education

Bolton, Helen Rebekah (A.M.) Iowa
A.B. 1921, The George Washington University; *Major:* Education

Bowen, Paul Ivan (A.M.) Pa.
A.B. 1928, The George Washington University; *Major:* Education

*Brackett, Catherine (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Education

Brechbill, Henry Harper (Ph.D.) Md.
A.B. 1911, Blue Ridge College; A.M. 1917, University of Pittsburgh; *Major:* Education

Brinker, Robert Dowrey (A.M.) W. Va.
A.B. 1928, Marshall College; *Major:* Education

*Brumbaugh, Elliott Frank (A.M.) Pa.
A.B. 1928, The George Washington University; *Major:* Education

*Brumm, Henryette (A.M.) D. C.
A.B. 1920, The George Washington University; *Major:* Psychology

Bullis, William Francis (A.M.) D. C.
A.B. 1924, United States Naval Academy; *Major:* Education

Butte, Shannon, Mrs. D. C.
A.B. 1925, Agnes Scott College; A.M. 1928, Columbia University; *Major:* Psychology

*Carter, Elizabeth Mosely (A.M.) Tex.
A.B. 1927, The George Washington University; *Major:* Education

Clarkson, Gladys Marion (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Home Economics

†Collins, John Paul (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* Education

*Cornell, Ullaine (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Education

Craig, Sam Baughman (Ph.D.) Ky.
A.B. 1923, Centre College; A.M. 1925, Gallaudet College; A.M. 1928, The George Washington University; *Major:* Education

Crowley, Francis Michael (Ph.D.) D. C.
A.B. 1916, Holy Cross College; A.M. 1923, Georgetown University; *Major:* Education

*Diermier, Natalie Smith (Ph.D.) D. C.
A.B. 1924, The George Washington University; A.M. 1925, The George Washington University; *Major:* Education

*Doerr, Paul Luckel (A.M.) D. C.
A.B. 1928, The University of Maryland; *Major:* Education

*Doonan, Katherine (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Education

Doran, Sarah L. (Ph.D.) N. Y.
A.B. 1924, The George Washington University; A.M. 1926, The George Washington University; *Major:* Psychology

†Douglass, Edgar Merritt (A.M.) D. C.
A.B. 1921, Wofford College; *Major:* Education

Dufour, Arline Hughes (A.M.) D. C.
A.B. 1920, The George Washington University; *Major:* Education

Edwards, Daniel Robert (A.M.) Md.
A.B. 1925, Washington Missionary College; *Major:* Education

Ezekiel, Lucille Finsterwald (A.M.) D. C.
B.S. 1924, Simmons College; *Major:* Education

Ferry, Thomas Francis (A.M.) D. C.
A.B. 1925, Georgetown University; *Major:* Education

*Gantley, Helen Gertrude (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* Education

*Gardner, Grace (A.M.) Ala.
B.S. 1926, Alabama Polytechnic Institute; *Major:* Psychology

Getty, Annie Graham (A.M.) D. C.
A.B. 1923, The George Washington University; *Major:* Education

Gilbert, Lee Eyster (A.M.) Md.
A.B. 1922, The George Washington University; *Major:* Education

Hall, Ruth Bell (A.M.) D. C.
A.B. 1922, The George Washington University; *Major:* Education

Hanft, Ella A. (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Education

Harper, Helen Virginia (A.M.) D. C.
A.B. 1928, The George Washington University: *Major:* Education

*Harrison, Mildred Bartlett (A.M.) Mass.
A.B. 1920, Wellesley College; *Major:* Education

*Hartley, Ethel Pierce (A.M.) D. C.
A.B. 1917, Nebraska State Normal School

*Haslet, Alice Elma (A.M.) D. C.
A.B. 1912, The George Washington University; *Major:* Education

*Hickman, Clara (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* Education

Hicks, Pearl (A.M.) Fla.
A.B. 1928, The George Washington University; *Major:* Biology

Higgins, Thomas Jefferson (Ph.D.) Iowa
A.B. 1923, The George Washington University; A.M. 1926, The George Washington University; *Major:* Education

Hodgkins, George Wilson (Ph.D.) D. C.
A.B. 1915, The George Washington University; A.M. 1916, The George Washington University; *Major:* Education

*Holmes, Irvin T. (A.M.) Kans.
A.B. 1928, State University of Iowa; *Major:* Education

†Hostetler, Imogene (A.M.) D. C.
A.B. 1926, Connecticut College; *Major:* Psychology

†Jewell, Edgar Guy (A.M.) Md.
A.B. 1929, The George Washington University; *Major:* Education

†Kapenkamp, Chester Herbert (A.M.) Md.
B.S. 1926, Johns Hopkins University; *Major:* Education

Knisely, Edna Ilene (A.M.) Ind.
A.B. 1922, The George Washington University; *Major:* Education

Kroell, Marie Elsie (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Psychology

Lane, Constance (A.M.) D. C.
A.B. 1927, Western College; *Major:* Education

Loftis, J. Wesley (Ph.D.) Tex.
A.B. 1924, Howard Payne College; A.M. 1928, The George Washington University; *Major:* Education

Lohmann, Pauline (A.M.) D. C.
A.B. 1923, The George Washington University; *Major:* Education

Loman, William Moore (Ph.D.) Md.
A.B. 1927, The George Washington University; A.M. 1928, The George Washington University; *Major:* Psychology

Long, Edgar F. (Ph.D.) Md.
A.B. 1911, Blue Ridge College; A.M. 1916, University of Kansas; *Major:* Psychology

Long, Pauline Yates (Ph.D.) D. C.
A.B. 1926, The George Washington University; A.M. 1928, The George Washington Univesity; *Major:* Education

†McRae, Ruth Henrietta (A.M.) Md.
B.S. 1927, The University of Maryland; *Major:* Education

Macina, Mary Lucia (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Spanish

Miller, D. J. (A.M.) Md.
A.B. 1927, Western Kentucky State Teachers College; *Major:* Education

Miller, Malinda Katharine (A.M.) Ky.
B.S. 1902, Kentucky College for Women; B.S. 1917, Columbia University; *Major:* Education

Moore, Myrtle E. (A.M.) Tex.
A.B. 1927, The George Washington University; *Major:* Education

Morgan, Mary Ellen (Ph.D.) W. Va.
A.B. 1917, West Virginia University; A.M. 1924, Columbia University; *Major:* Education

*Morrow, Clara Allen (A.M.) D. C.
A.B. 1922, The George Washington University; *Major:* Education

Moser, Karl Jones (A.M.) Mo.
B.S. 1925, Central Missouri State Teachers College; *Major:* Education

Murray, Anna (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Education

*O'Hara, Elizabeth (A.M.) D. C.
A.B. 1924, The George Washington University; *Major:* Education

*Patterson, Margaret K. (A.M.) Mo.
B.S. 1925, Teacher's College, Columbia University; *Major:* Education

Pepper, Margaret (A.M.) D. C.
A.B. 1926, The George Washington University; *Major:* Education

*Ritchie, Robert Ernest (A.M.) Mich.
A.B. 1928, The George Washington University; *Major:* Botany

Rouse, Mary Rosella (A.M.) Va.
A.B. 1927, The George Washington University; *Major:* Education

Russell, Agnes Marguerite (A.M.) D. C.
A.B. 1927, Agnes Scott College; *Major:* Education

Samuel, Helen Ethel (A.M.) Va.
A.B. 1921, Swarthmore College; *Major:* Education

Sanborn, Harlan Page (A.M.) D. C.
A.B. 1911, Dartmouth College; *Major:* Education

*Scrivener, Katherine Faber (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* Education

Smith, Eva D. (A.M.) D. C.
A.B. 1925, The George Washington University; *Major:* Spanish

Smith, Hugh Stewart (A.M.) D. C.
B.S. 1924, Northwestern University; *Major:* Education

*Smith, Ruth Lillian (A.M.) D. C.
A.B. 1927, The George Washington University; *Major:* Education

Stallings, Mildred Evelyn (A.M.) D. C.
A.B. 1921, The George Washington University; *Major:* Education

Sullivan, James Bascoe (Ph.D.) Md.
A.B. 1912, Mercer University; A.M. 1922, Columbia University; *Major:* Education

*Thomas, Geneva Martin (Ph.D.) Va.
A.B. 1916, Randolph Macon College; A.M. 1925, University of Virginia; *Major:* Education

Thompson, Hazel Naomi (A.M.) Md.
B.S. 1925, in Home Economics, Drexel Institute; *Major:* Education

Thompson, Katheryne Luella (A.M.) D. C.
A.B. 1911, Earlham College; *Major:* Home Economics

Thompson, Maury Weldon (A.M.) Va.
A.B. 1928, William and Mary College; *Major:* Education

Toles, Grace Mae (A.M.) Calif.
A.B. 1924, College of Pacific Stocton; *Major:* Education

*Wallace, Myra Grant (A.M.) D. C.
A.B. 1928, University of Utah; *Major:* Education

Walter, Lester F. (A.M.) D. C.
B.S. 1924, Penn State College; *Major:* Education

*Warner, Harold Ellsworth (Ph.D.) D. C.
A.B. 1913, The George Washington University; A.M. 1920, The George Washington University; *Major:* Education

Waters, Suzanne Beatrice (A.M.) D. C.
A.B. 1924, The George Washington University; *Major:* Education

Wild, Estelle P. (A.M.) D. C.
A.B. 1928, The George Washington University; *Major:* English

Woodworth, Lynn Frank (A.M.) Ind.
A.B. 1923, University of Indiana; *Major:* Education

STUDENTS IN ATTENDANCE

†Bass, Mary E. D. C.
A.B. 1906, Goucher College; A.M. 1918, Chicago University

†Brumbaugh, Elliott Frank Pa.
A.B. 1928, The George Washington University

Chandler, Frances Rapler D. C.
A.B. 1907, University of Chicago; A.M. 1917, Pennsylvania State College

†Cushman, Alice Wadsworth D. C.
B.S. 1925, University of Maryland

*Franklin, Josephine Carroll D. C.
A.B. 1910, Hiram College; B.S. 1916, Ohio State University

Gardiner, Catharine Atwood Md.
A.B. 1916, University of Nebraska

†Garrels, Harriet Elsie D. C.
A.B. 1925, The George Washington University

Green, Elise Eugenia D. C.
A.B. 1914, The George Washington University; A.M. 1918, The George Washington University

†Hill, Lillie Lucile D. C.
B.S. 1928, University of Maryland

Hubbard, Frank William D. C.
A.B. 1922, University of California; A.M. 1926, University of California

Lacy, Bessie Kibbey D. C.
A.B. 1924, The George Washington University; A.M. 1928, The George Washington University

*Lane, Margaret Mary D. C.
A.B. 1916, Trinity College

*Lowrey, Joe Jarman Miss.
B.S. 1910, Mississippi College; A.M. 1922, Peabody College

Merritt, Margaret Reed D. C.
A.B. 1920, The George Washington University

Nevis, Ruby D. C.
A.B. 1917, The George Washington University

Simon, Isaac Barney Mass.
B.S. 1915, Massachusetts Agricultural College; Ed.M. 1921, Harvard University

Pierpont, Mabel Eva D. C.
B.L. 1910, University of California; A.M. 1928, The George Washington University

†Smith, Paul William D. C.
B.S. 1925, The University of Maryland

*Stam, Lillian Roberts Md.
A.B. 1928, The George Washington University

Turner, Marie Agnes D. C.
A.B. 1925, The George Washington University

†White, Helen Margaret D. C.
A.B. 1921, The George Washington University; A.M. 1924, The George Washington University

THE SCHOOL OF GOVERNMENT
CANDIDATES FOR DEGREES

Notes in parentheses indicate course of study in which student is engaged; i.e. Government—Gt.; Foreign Service—F.S.

SENIORS

Nellessen, Clarence (Gt.) Minn.

JUNIORS

*Coon, Paul Lesher (Gt.) D. C.
Freer, Robert Elliott (Gt.) Ohio
Harriman, Margaret Norma (Gt.) D. C.
Jamison, Mary Elizabeth (Gt.) Colo.
Jew, Lem (Gt.) Calif.
Plugge, Caroline (Gt.) D. C.
Ring, Laurence E. (F.S.) D. C.

SOPHOMORES

Deardoff, Evelyn Frances (F.S.) D. C.
Douthitt, Margaret (Gt.) S. Dak.
Hall, Susan Virginia (Gt.) Ill.
Harrison, Marian Margaret (F.S.) Va.
Junkin, Kathryne Von Ickes (Gt.) D. C.
Keyser, Charles Frank (Gt.) D. C.
†Mitchell, James Matlack (F.S.) D. C.
Monachino, Marietta R. (F.S.) Pa.
†Moore, Edgar A. (Gt.) Okla.
*Newman, Helen (Gt.) Md.
Newton, Naomi (Gt.) D. C.
Ruddiman, Harry D. (Gt.) D. C.
†Solomon, Louis Morris (Gt.) D. C.

FRESHMEN

*Aub, Winfield Curtiss (Gt.) D. C.
*Austin, Catherine Thorpe (F.S.) D. C.
*Beaty, Clara Avis (Gt.) D. C.
*Belt, George Harley (Gt.) D. C.
Bowen, Columbus L. (Gt.) D. C.
Burnham, Mildred Moger (F.S.) D. C.
Bush, Gladys Annie (Gt.) Ill.
Clegg, James Ellis (Gt.) D. C.
Crocker, J. Allen (F.S.) Md.
Davidson, Florence (Gt.) Md.
Drawbaugh, William Bradford (F.S.) D. C.
Eller, Evelyn Virginia (Gt.) D. C.
Englesby, Charles Parker (F.S.) S. Dak.
*Frazier, Charles Elmer (F.S.) D. C.
Gerow, Ludwig, (Gt.) Va.
Goldman, Isidor (Gt.) Va.
†Green, Frederick Hiram (F.S.) D. C.
Harrington, Cecile Bernice (F.S.) D. C.
Highsmith, Melville Fuller (Gt.) Ga.
Holt, William Luke (Gt.) D. C.
†Ingersoll, William Belt (F.S.) Md.
Jeager, Isabel Marie (Gt.) D. C.
Johnson, Paul Evan (F.S.) Wis.
Jones, Francis William (Gt.) N. Y.
Kreutzer, Marion Louise (F.S.) Wis.
Leffler, Harold Allen (F.S.) Ind.
LeMenager, Henri Victor (F.S.) D. C.
Lumsden, James Alfred (F.S.) Md.
McLaughlin, Malcolm (Gt.) D. C.
Mazourek, Marie (Gt.) D. C.
Melcer, Harry Irwin (F.S.) D. C.
Monies, William Nelson (Gt.) D. C.
†Owen, Frances Eleanor (F.S.) Tenn.
Perkins, Isham W. (Gt.) D. C.
Phillips, William Seymour (F.S.) W. Va.
Pouder, Frank Weister (F.S.) D. C.
Raymond, Mary Jane (F.S.) D. C.
Riley, James O. (Gt.) D. C.
Rupple, Esther May (Gt.) Mass.
*Ryan, Betty Millet (F.S.) D. C.
Sandberg, Katherine Sophie (Gt.) D. C.
Smith, Erith MacDonald (Gt.) D. C.
Taylor, Lila Belle (F.S.) Ind.
Thomas, Clinton Samuel (F.S.) D. C.
Uebelhardt, Eugene Aguiler (F.S.) P. I.
Vallesteras, Pastor Cristobal (Gt.) D. C.
Wertz, Melvin Moore (Gt.) Ky.
White, J. Everett (Gt.)

UNCLASSIFIED

Cone, Marshall Haney (Gt.) S. Dak.
Earle, Julius Richard (Gt.) S. C.
Marks, Richard Callison (Gt.) Wash.
†Overholtzer, Paul Mills (F.S.) Calif.
Riggins, Glendmar Uriah (Gt.) Tex.
Roberts, Luis Joel (F.S.) Calif.
†Sparkman, Hal Cotton (F.S.) Tex.

SPECIAL STUDENTS

Bigelow, Dorothy Lenore Me.
*Carnahan, Truman Earl Calif.
*Foda, Hussein D. C.
Monroe, Margaret Hannah D. C.

THE DIVISION OF LIBRARY SCIENCE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

SENIORS

Legear, Russell Altin	Tex.	
McIntyre, Bessie	Fla.	
Wise, Virginia Ruth		D. C.

JUNIORS

Beall, Anna Katharine	Md.	
Brady, Maurice K.	D. C.	
Brooks, Janeiro V.	D. C.	
*Brown, Ernestine	Va.	
Carlson, Ruth Edith	D. C.	
Deberry, Myra Jones		Va.
Likens, Miriam Eva		D. C.
Rutter, Ella Purvis		D. C.
Whitney, Virginia Carter		D. C.
Young, Jean Virginia		D. C.

SOPHOMORES

Bird, Margaret Agnes	Iowa	
Bird, M. Helen	Md.	
Coon, Eleanor Elizabeth	D. C.	
Crane, Lillian	D. C.	
Gerry, Katharine	D. C.	
Hall, Margaret	Mass.	
Jones, Sarah Annie	D. C.	
Keim, Marjorie Herrle	D. C.	
Ketchum, Miriam Blaisdale	Ga.	
Peake, Evelyn Frances	Va.	
†Pulliam, Lucie Lee		Ind.
Rioch, Isabel Kirk		N. Y.
Sanford, Anna Laura		D. C.
Sanger, Harriet Louise		D. C.
Sinclair, Barbara		D. C.
Smith, Lester Allan		Okla.
Stocker, Lucy Rebecca		Ohio
Styron, Elizabeth Burroughs		D. C.
Webbink, Alvern Sutherland		D. C.
†White, Mary Veitch		D. C.

FRESHMEN

Ash, Katherine	Va.	
Bailey, Ethel Evelyn	D. C.	
Berdahl, Dorothy Mair	S. Dak.	
Bresnahan, Gertrude	D. C.	
Colvin, Mary Elaine	D. C.	
Cotter, Ellen M.	N. Y.	
Croft, Carma Hunsaker	Utah	
Flaherty, Mary Teresa	D. C.	
Flesher, Jeanne Behrend	D. C.	
Frawley, Margaret Lenora	D. C.	
*Gibson, Florence Coumbe	D. C.	
*Gibson, Susan Stuart	Va.	
*Gill, Mary Alice	Md.	
Gingras, Helene	D. C.	
Hamill, Harold Louis	D. C.	
*Hardin, Robert	Tex.	
Hespen, Hugo Friedrich Karl	D. C.	
Hesterbert, Margaret Madeline	D. C.	
*Jordan, Anne Elizabeth	D. C.	
Kees, Nanele Artz	D. C.	
King, Florence	Minn.	
Lamore, Alberta Rose	D. C.	
Latterner, Josephine		D. C.
Lobingier, Evelyn Grace		Calif.
*Love, Rosa		D. C.
Luce, Charlotte Priscilla		D. C.
Mathews, Clara Wiselogle		D. C.
*Menefee, James Lydane		Va.
Morris, Anna Lucille		Md.
†Nelson, Mrs. Margaret Thomas		D. C.
Parsons, Ann Augusta		D. C.
†Sackett, Harriett E.		Iowa
†Saidman, Rose Esther		D. C.
Smith, Eunice Adelaide		D. C.
*Smith, Helen Barbara		D. C.
Spencer, Arline		D. C.
*Stevens, Dorothy Eliza		N. Y.
Troth, Doris Shirley		D. C.
Tucker, Marion Louise		D. C.
Tuneeff, Dimitry Dimitriervich		D. C.
Voigt, Marion Viola		Ind.
Winkle, Justin Frederic		N. Y.
Zoll, Sarah Elizabeth		Va.

UNCLASSIFIED

*Basim, Florence Lucille	D. C.	
Benfer, Mary Celia	D. C.	
Lawrence, Claude Thomas	D. C.	
*Mackey, Elizabeth	D. C.	
†Mothershead, Louise H.		Va.
North, Marion Himrod		Md.
Somerville, Dorothy		Ohio
†Walton, Anna S.		D. C.

SPECIAL STUDENTS

Appich, Anna Virginia	D. C.	
Banks, Julia Ford	Va.	
Coon, Ethel Louise	D. C.	
Curran, Anna Dickson	D. C.	
B.S. 1925, Cornell University		
Dantjy, Anna G. (Mrs.)		D. C.
†DeVeyher, Marguerite E.		Md.
Dunlap, Hattie May		D. C.
Egli, Clara K.		N. J.
Ellers, Elizabeth Rebekah		Md.

†Engle, Martha Louise Pa.
A.B. 1927, Goucher College
*Fitch, Hermione D. C.
Fox, Elsie Anna N. Y.
Degree in Music, 1907, Syracuse
Glover, Jewell Isabelle D. C.
*Grant, Elizabeth Harigan (Mrs.) D. C.
Graves, Mary B. Md.
*Harold, Margaret Mary D. C.
Henderson, Gladys Erskine Md.
Knox, Ida Josephine Md.
†Krause, Flora Binst D. C.
Livingston, Ruth Ann D. C.
Marr, Ethelyn Virginia Va.
Olney, Alice Curtis D. C.
Payne, Golda Smith D. C.
Pendleton, Elizabeth Randolph S. C.
A.B. 1922, Converse College
Phillips, Edith Sewall D. C.
*Quinn, Elizabeth Mary D. C.
*Rocklin, Lina D. C.
Shellhamer, Elise Marian Pa.
†Simpson, Mary Kirk Va.
A.B. 1898, Grove City; A.M. 1920, The George Washington University D. C.
*Slavens, Wylma Frances D. C.
B.P. 1913, State Teacher's College
Smith, Marguerite Euen Va.
A.B. 1926, The George Washington University D. C.
Sommerville, Julia Chapin Va.
Stellwell, Caro Owens Ill.
Swift, Grace H. Va.
*Thacker, Lewis Henry D. C.
Thomas, Bertha Francis D. C.
Throcknorton, Olga E. Mass.
Warner, Natalie Adrianovna Fla.
*Widger, Clara Jeannette N. Y.
Williford, Mildred E. D. C.
Winkle, George Anthony
*Woodville, Elizabeth

THE DIVISION OF FINE ARTS
CANDIDATES FOR DEGREES

SENIORS

Keefauver, Lester S. (Arch.) Md.
Marshall, Murray Linwood (G.A.) Md.
Barnes, Robert D. (Arch.) D. C.
Eckel, Julia Dibblee (G.A.) D. C.
Peele, Manly (Arch.) Va.
Stewart, Avril (Arch.) Md.

JUNIORS

Abel, Joseph Henry (Arch.) D. C.
Brown, Edward, Jr. (Arch.) Va.
Jester, Leon Wright (Arch.) Fla.
Kane, Margaret Catherine (Arch.) D. C.
Lemerle, Eugenie (Arch.) D. C.
Lynn, Wallace Parsons (Arch.) Md.
McDougal, Warren Vincent (Arch.) D. C.
Mahlman, Frederick H. (Arch.) Nebr.
Schaub, Morris Jefferson (Arch.) D. C.
Winn, Arthur Estes (Arch.) D. C.
Zimmerman, Elizabeth Lewis (Arch.) D. C.

SOPHOMORES

Childrey, Merrie Pender (G.A.) D. C.
Ciango, Dominic Frank (Arch.) D. C.
Clarvoe, Russell Hitt (Arch.) D. C.
Darton, Arthur Beaupre (G.A.) D. C.
Farrar, William Carter (Arch.) Va.
Folsom, Eleanor Elizabeth (G.A.) D. C.
Hodge, Ralph William (Arch.) D. C.
Hutchinson, Dan William (Arch.) Mo.
Jumper, Charles Henry (Arch.) D. C.
King, Henry Edward, Jr. (Arch.) D. C.
*Larsen, Edward Benjamin (Arch.) Mich.
Lillie, Alfred Lloyd (Arch.) D. C.
McHugh, James Morris (Arch.) Va.
Matthews, Shaw Hall (Arch.) Ga.
Miles, Jeanne Patterson (G.A.) D. C.
Minno, Alfred Hamilton (Arch.) D. C.
Minsk, Morris (G.A.) Mass.
Spano, Edward Romualdo (Arch.) D. C.
Weihe, Edwin Armstrong (Arch.) D. C.

FRESHMEN

Albert, John Jacob (Arch.) D. C.
Armstrong, Howard Wissler (Arch.) D. C.
Backa, Ida Aline (G.A.) Wash.
Bakshian, Mary Estella (G.A.) D. C.
Belhumeur, Lucille Marie (G.A.) D. C.
Brinkley, Mary Hamilton (G.A.) D. C.
*Broadbent, Frank Clifford (Arch.) D. C.
Burgess, Archie Perciville (Arch.) D. C.
Carter, Emogene Pickrell (Arch.) Va.
Crosby, Elizabeth Wright (G.A.) D. C.
Cunningham, James Albais (Arch.) D. C.
*Dale, William John (Arch.) Pa.
Dorman, Charles Jerome (Arch.) D. C.
Feist, Frances Caroline (G.A.) N. J.
Ferris, Warren Wesley (Arch.) Va.
Fisher, Leila Theresa (G.A.) N. Y.
*Gibbs, Charles Neely (G.A.) Pa.
Grunwell, Helen Robie (Arch.) D. C.
Harlowe, Melba Lavinia (G.A.) Va.
Hawes, Richard Paulison (Arch.) D. C.
Hazard, Muriel Frances (G.A.) Md.
Himmelheber, Charles M. (Arch.) D. C.
†Johnston, Jesse C. (G.A.) D. C.
Koman, Alexander Paul (Arch.) Pa.
Linsenmeyer, George Andrew (Arch.) D. C.
Lum, Marian Preston (G.A.) D. C.
†McNeill, Caroline Lee (G.A.) D. C.
†Merryman, Charles Burdine (Arch.) Md.
Moss, Miriam Edith (G.A.) D. C.
Murray, Emily (Arch.) N. Y.
†Nathanson, David (Arch.) D. C.
Osborn, Sara McCormick (G.A.) D. C.
*Peter, Walter Gibson, Jr. (Arch.) D. C.
Prescott, Kenneth Tuttle (Arch.) D. C.
Rader, Merlin Alva (Arch.) D. C.
*Reynolds, Boykin Arnold (Arch.) D. C.
Shoemaker, William Henry (G.A.) D. C.
Shotwell, James Lewis (Arch.) Va.
Sisson, William Eliason (Arch.) N. C.
Spence, John McClurkin (Arch.) Va.
Stanley, William Soaper (G.A.) D. C.
*Vanderloo, Albert Edward (Arch.) D. C.
*Vawter, Edwina (G.A.) Md.
Vizien, Harry Paul (Arch.) D. C.
*Wetzel, Samuel G. (Arch.) Pa.
†Wortham, Clyde Harold (G.A.) Tex.

UNCLASSIFIED

Flagg, Verna Mary (Arch.) Ill.
*Graf, Theodore R. (Arch.) D. C.
Townend, Frances Lesley (Arch.) Mass.
Walsh, Humphrey Martyn (Arch.) D. C.

SPECIAL STUDENTS

†Ashley, Elizabeth Va.
Birnie, Eliza Roberts Md.
*Bray, Ethel Ind.
*Brown, Leslie Louis Ohio
*Clawson, Fern D. C.
Drevo, William Lok Md.
*Eklund, Oscar Adolph D. C.
Francis, William Ellis D. C.
*Hamilton, Zeb Thomas D. C.
*Hunter, Elizabeth Wiley D. C.
*Johnson, Thomas Rogers D. C.
Lane, William R. Nebr.
B.S. 1928, The George Washington University
*Miller, Marion Spiers N. C.
A.B. 1918, University of North Carolina
*Robinson, Anne R. D. C.

THE SUMMER SESSIONS 1928

Abbe, Truman Waldo — D. C.
Abramson, Norman — D. C.
Achstetter, Joseph Charles — D. C.
Ackerman, William Blake — D. C.
Acunia, Emiliano T. — D. C.
*Adamaitis, Joseph Edward — D. C.
Adams, Edward Everett — D. C.
Adams, William Ware — D. C.
Adkins, Hartwell Stansbury — Md.
A.B. 1910, Washington and Lee University; A.M. 1920, The George Washington University; Ph.D. 1922, The George Washington University
Affleck, Doyle P. — Utah
B.S. 1927, Utah Agricultural College
Alexander, Reginald Frank — D. C.
Allen, Raymond Edward — Ohio
Allison, Andrew Vangrol — D. C.
*Alpher, Robert Jerome — D. C.
Alt, Anna Bertha — D. C.
*Ambrogi, Leo — D. C.
Andrews, Zoevelair — Md.
Andrus, Charles Fred — Ill.
Angle, Ludwell Lee — Va.
Appler, Helen Irene — D. C.
Arellano, Inocencio Yanza — P. I.
Arnold, Philip — D. C.
Arnold, Rosemary — Pa.
A.B. 1921, The George Washington University; A.M. 1923, The George Washington University
Arps, Harold Fred — Ohio
Ask, Reynold Everett — D. C.
Austin, Violet K. — Md.
Baber, Leonard C. — D. C.
*Bailey, Alice Louise — D. C.
Bailey, Confer G. — D. C.
Bailey, Helen May — Oreg.
Bailey, Regina S. — Calif.
Baker, Kathleen Beatrice — D. C.
Baker, Lenore Mary — D. C.
Baker, Louis Stanford — N. M.
Baldwin, Charles Ervin, Jr. — D. C.
Ball, Carolyn Steward — D. C.
Baltz, Elizabeth Boesser — D. C.
Banker, Russell E. — D. C.
Banks, Dolly Madison — Ky.
Bannerman, Christine Elizabeth — Va.
Barker, Alma — Ind.
A.B. 1920, The George Washington University
Barnett, Edward Joseph — Ind.
Barnum, Glenn Lewis — Va.
Barrick, Katherine Elliott — D. C.
Barry, Helen Louise — D. C.
Bartlett, Helen Rebekah — Md.
A.B. 1919, Western Maryland College; A.M. 1922, The George Washington University
Basim, Betty — D. C.
Basim, Florence Lucille — D. C.
Bastian, Alice — D. C.
Baulsir, Irma Margaret — D. C.
Bauskett, Emily — D. C.
Bawell, Ruth Amanda — D. C.
Baxter, Elmer James — D. C.
Baxter, Ruth Dreher — D. C.
Bayle, Samuel B. — Md.
A.B. and T.D. 1926, The George Washington University
Baylus, Joseph — Md.
Beach, Arthur Eugene — D. C.
*Beal, Annie Fletcher — Mo.
Beall, Anna Katharine — Md.
Beall, Winifrede — D. C.
Beals, Josephine Amanda — D. C.
Beck, Flossie Arizona — Ill.
Becker, Edmund — Ind.
Becker, Joseph Maurice — D. C.
Beck, John, Jr. — Wash.
B.S. 1927, University of Washington
Bell, Allie — Tex.
Bell, Katharine Florence — D. C.
B.S. 1920, University of Kentucky
Bell, Philip Fletcher — Colo.
Belman, Abraham — Conn.
Belt, Estelle Anne — D. C.
Benenson, Philip — D. C.
Bennett, Nelson — Ill.
Bennett, Richard Dana, Jr. — Md.
Berg, Jake — D. C.
A.B. 1927, The George Washington University; A.M. 1928, The George Washington University
Berry, Samuel Winfred — Va.
Betikofer, Wilfred Alvin — D. C.
Bevans, Charles Irving — Md.
Bever, Ellis D. — Kans.
*Biberstein, Frank Aloysius — D. C.
Bickford, Mildred Fay — D. C.
Bilisoly, David Livingston — D. C.
Bilisoly, Elizabeth L. — D. C.
Billinsly, Johnie Lou — Ark.
Birch, Catharine — D. C.
Bird, Margaret Agnes — Iowa
Bitman, Samuel — D. C.
Black, Sara Margery — D. C.
Blackistone, Margaret Ann — D. C.
Blaisdell, James P. — Md.
*Blaisdell, Lora Mae — D. C.
Blake, Thomas Richard — D. C.
Blandford, Agnes C. — D. C.
A.B. 1927, The George Washington University
*Blann, John Edward — N. Y.
Blaurock, Veronica F. — D. C.
Blessing, Clarence Curtis — D. C.
Blew, Forrest Allen — D. C.
Blum, William, Jr. — D. C.
Blythe, Harold Hillman — D. C.
Blythe, Irene Thomas — D. C.
Bobski, Stanley Wallace — D. C.
Bogman, James Henry — D. C.
Bogman, Marguerite White — D. C.
Bond, Eason Jackson — D. C.
A.B. 1926, The George Washington University
Booth, Betsy Bygate — Mass.
Borden, Hazel A. — D. C.
A.B. 1926, The George Washington University
Botkin, Eugenia — Okla.
Boudinot, Henry Meigs — N. J.
Bowen, Frances B. — Md.
Bowie, Donald MacAlpin

Boyd, Samuel D. C.
Boyd, Tallmadge Leslie Utah
Boykin, Katharine Lillian D. C.
Boyle, Elizabeth Gertrude Md.
Bradford, Thomas Alden, Jr. D. C.
Bradford, William Werner D. C.
Brady, Maurice K. D. C.
*Bragg, Frence McCrum Minn.
Braham, Lillian Mary Md.
Branham, Katharine Caperton D. C.
A.B. 1928, Mt. Holyoke College
*Brennan, John Victory Mass.
Broadbent, Janet S. Md.
Brockett, Georgie Seymour Va.
Brower, Edgar Jay Iowa
Brower, Margaret Emma D. C.
Brown, Anita Belle D. C.
Brown, Carey Wilson N. C.
Brown, Clara Emily Iowa
Brown, Effie Va.
Brown, Ernestine Va.
Brown, Herbert Collier D. C.
Brown, Hobert Elburn D. C.
Brown, Kathryn Isabel D. C.
Brown, Ruth Miss.
A.B. 1926, University of Mississippi
Brown, William H. Ark.
Bruner, Ruth D. C.
Brustein, Isidor N. Y.
Bryan, Samuel D. C.
Bryans, Clyde Venroy Colo.
Buchalter, Helen D. C.
A.B. and T.D. 1928, The George Washington University
Buchanan, Charles Wayne Va.
Buckley, James Lawrence Conn.
Budacz, Julius Francis Md.
Budd, Vera Hayden D. C.
Bullis, William Francis D. C.
Bunch, Jessie May D. C.
Bundy, Ross P. N. Y.
Burch, Irma Louise D. C.
Burke, Frances Marie Ind.
A.B. and T.D. 1925, The George Washington University
Burlew, John S. D. C.
Burns, Dorothy Joy D. C.
Burr, Richard Arnold D. C.
Byer, Maurice Yale N. J.
Byers, Jason Harold D. C.
Callahan, Claude M. Ind.
Calver, John Henry Mass.
Campbell, Leonard Stroud D. C.
Campbell, Marion William D. C.
Campbell, Myrtle Ala.
Canning, Fleda Rose Okla.
Canning, Lucile Okla.
Card, Pearl B. D. C.
Card, Sheldon David D. C.
Carey, Eva Anna D. C.
Carleton, Raymond Broward N. C.
Carlson, Ethel Lamb D. C.
Carney, Elizabeth Ruth Ga.
Carpenter, Samuel R. Utah
Carpenter, Edna Ruth D. C.
Carr, Charles Troll D. C.
Carroll, Natale Salvatore N. Y.
Carrozza, Virginia C. Va.
Castleman, Joseph Ira D. C.
Cavanaugh, William Woodbridge Calif.
Champion, Ted Yale D. C.
Chapin, William David D. C.
Chase, A.B. 1925, The George Washington University; M.S. 1927, The George Washington University
Cherry, Mary D. C.
Cheseldine, James Corbin D. C.
Childrey, Merrie Pender D. C.
Christenson, Lois Bowen D. C.
Christie, Carlisle VanDyke D. C.
Claborn, Houston Vernon Ark.
Clark, Helen Virginia D. C.
Clark, Hugh Kemp Va.
Clarke, Inda Payne D. C.
Clegg, James Ellis Miss.
*Clements, John William Pa.
Clements, Julia Lee D. C.
Cline, Lula Fern Ind.
A.B. 1920, Taylor University
Clinton, Lahuna Elizabeth Md.
Coates, Lyla Mildred D. C.
Coblentz, Catherine Cate D. C.
Cochran, William Hazen W. Va.
Cogovan, Rosemary Florence N. Y.
Cohen, David N. Y.
Cohen, Walter D. C.
Cohn, Robert D. C.
Cole, Margaret Cordelia D. C.
Cole, Mary J. Pa.
A.B. 1927, The George Washington University
Cole, Virginia Agnes D. C.
Coleman, Mary Virginia Va.
*Collins, George Hughes W. Va.
Collins, Patrick Joseph D. C.
*Condon, Emma Mabel D. C.
Connick, Mildred Ruth D. C.
Connolly, Helen L. C. Mass.
Cook, Margaret Elizabeth D. C.
Coolidge, Helen Moodey D. C.
Coon, Ethel Louise D. C.
Cooper, Harold H. Ind.
Corbett, Katharine C. D. C.
Corcoran, Charles Joseph Va.
Corea, India Bell D. C.
Corey, Merle Irving N. Y.
Cornette, Estelle Baldwin D. C.
Cornish, Willis Alverson Tex.
Cowger, Lilian Prentis Fla.
Cox, Claire London D. C.
Craig, Sam Baughman Ky.
Craighill, Dorothy N. C.
Cranwill, Alfred D. C.
Crawford, Alice Leola Okla.
Crocker, Beatrice Woodford Md.
A.B. 1924, The George Washington University
Croft, Edward, Jr. D. C.
Crosby, Dorothy Margaret D. C.
Cross, Allen Slayman D. C.
Croswell, Frances D. C.
Crouch, Myrtle Vines D. C.
Crouse, Anna Mary Pa.
Crowell, Ray Ill.
Culbertson, F. R. N. C.
Cullen, John Paul Wis.
Cullimore, Leland K. D. C.
Culp, Ruby Lee Okla.
A.B. 1924, The George Washington University
Cummings, James E. D. C.
Cummings, Owen C. Pa.
Cunningham, S. Helen D. C.

Cushman, Robert Wood — D. C.
Dail, Frank Clifton — N. C.
Daly, Agnes Genevieve — D. C.
Daly, Harry John — D. C.
Darling, Horace V. — D. C.
Darr, Verna Elizabeth — D. C.
*Davenport, Beverly Armstrong — D. C.
David, Thomas Mitchell — Md.
Davidson, Myrtle — D. C.
Davis, Channing O. — Iowa
Davis, Chester Leslie — Va.
Davis, Edward French — D. C.
Davis, Jack Clemens — Va.
Davis, Lucy Mildred — Mass.
Davis, Marjorie Brown — Calif.
Davis, Miriam — Md.
Davis, Ona Grier
A.B. 1911, Erskine College; B.D. 1914, Princeton Seminary
Davis, Pearce — D. C.
Davis, Robert Fisher — D. C.
Day, Sara Milligan — D. C.
Dean, Marvin Douglas — S. C.
Dearing, Charles Lee — N. M.
*DeBrylinska, Ida — D. C.
Deener, Elizabeth Margaret — D. C.
Deffenbaugh, Ruth — D. C.
A.B. 1927, West Virginia University
Denning, Julia Lee — D. C.
*Dent, John Clayton — D. C.
Denty, Samuel Lee — D. C.
Dermott, Blanche Lenora — D. C.
Detwiler, Donald J. — D. C.
Detwiler, Samuel B. Jr. — Va.
Didden, Clement Albert — D. C.
Dodd, Atta Evangeline — D. C.
A.B. and T.D. 1925, The George Washington University
*Dodd, Daniel D. — Ill.
Dodge, Beatrice — D. C.
Dolinsky, Ida — D. C.
Domer, Marion — W. Va.
Doran, Sarah L. — N. Y.
A.B. 1924, The George Washington University; A.M. 1926, The George Washington University
Dorcas, Myrtle Johns — Ohio
Dormer, Mary Catherine — Pa.
Dorn, Harold Alvin — N. Y.
Dorsey, Eula Smith — D. C.
Dowling, Harry Filmore — D. C.
A.B. 1927, Franklin and Marshall College
*Downer, Arthur Gilbert — D. C.
Drewry, Elizabeth Belle — D. C.
Driscoll, Gertrude Mary — D. C.
Driver, Crystal Lottie — Va.
Drowns, Allen Crawford — D. C.
Drury, Elsie Marie — D. C.
DuBose, Camille — D. C.
A.B. 1924, The George Washington University
Dufour, Arline Hughes — D. C.
A.B. 1920, The George Washington University
Duncan, Louise Legarde — Miss.
*Duncan, Mabel — D. C.
*Dunn, Gordon Elroy — D. C.
Durham, Lewis M. — D. C.
Duvall, Lindsay Opie — D. C.

Dyer, Juliet Elizabeth — D. C.
Dyer, William Washington — Va.
Dyshaw, Ruth — Minn.
Earle, Frances Merritt — S. C.
A.B. 1918, Winthrop College; M.S. 1926, Columbia University
*Earle, Robert L. — Wis.
Eckstein, Louis W. — Ind.
Eddy, Grace M. — D. C.
Edmonston, James Harvey — D. C.
Edmonston, Martha Lucile — D. C.
A.B. 1926, The George Washington University; A.M. 1927, The George Washington University
Edmonston, Raphael Allen — D. C.
Edwards, Edith V. — Ohio
Edwards, Florence Dorothy — D. C.
Edwards, Ira — Wis.
B.S. 1913, University of Rochester; M.S. 1914, University of Rochester
Edwards, Malcolm M. — Ind.
A.B. 1926, Wabash College
Eggenschwiler, Charles Edwin — Ohio
Eidhammer, Dorothy — Va.
*Ekberg, Lillian S. — Minn.
Elgin, Ruth St. Clair — Va.
A.B. and T.D. 1924, The George Washington University
Eliason, Howard Russell — D. C.
Ellis, Lorna Florence — D. C.
Elsworth, Merle Margaret — D. C.
Emley, Adelaide Lancaster — D. C.
England, Joseph Loveday — D. C.
England, Mary Esther — S. Dak.
Escher, Juliana — N. M.
Espinosa, J. Edmundo — D. C.
Ethridge, Clayton Bernard — Iowa
Evans, Hiram Shunk — Md.
*Evans, Isaac Milton — D. C.
Evans, Verna Grace — Md.
Fairman, Richard H. — Conn.
Falco, Maceo — Pa.
Faust, Eleanor — D. C.
Featherston, Ellen Ruffin — Md.
Ferguson, Thomas — D. C.
Fesler, Clarence Manley — D. C.
Fierstone, Cleon King — D. C.
A.B. 1923, The George Washington University
Finlayson, Edward Albert — D. C.
*Finnie, Ruth — N. J.
Fischgrund, Bernard Herman — Wis.
Fisher, Josephine — D. C.
Fisher, Paul Lewis — D. C.
*Fitzpatrick, Paul Joseph — Ill.
A.B. 1916, Catholic University
Flagg, Verna Mary — D. C.
A.B. 1926, The George Washington University
Flaharty, Ethel Catherine — Pa.
Fleck, James Hering — Va.
Fleet, Bessie Moore — D. C.
Fletcher, Evelyn Renn — D. C.
Fletcher, William — D. C.
Floria, Clotilde — N. J.
Flury, Henry — Conn.
B.S. 1912, University of Pennsylvania
Flynn, James George — D. C.
Foda, Hussein

Fonoroff, David Louis — D. C.
Ford, Mary Coffin — D. C.
Foster, Henry Lockwood — D. C.
Fox, James Fulton — Del.
Frank, Abner — D. C.
*Franklin, Dottie Eva — D. C.
Franks, Walter Hall — D. C.
Frazier, Melvin S. — N. Dak.
Free, Harold Gustav — Iowa
Freidson, Isadore — Va.
Frisbie, Margaret Ethel — D. C.
Fruitman, Cecelia Bee — Ariz.
Fryer, Thelma Elizabeth — D. C.
Fuller, Carrie May — D. C.
Gable, Paul DeLong — D. C.
A.B. 1925, The George Washington University; A.B. 1926, The George Washington University
Gage, Lawrence A. — D. C.
Gahm, Haldor Louis — Ohio
Galbraith, Eva M. — D. C.
Gale, Robert J. — Tenn.
Gallagher, Edward C. — Kans.
Gallagher, John Vincent — D. C.
Gappinger, Gertrude Magdalene — Ind.
*Garber, Ruth Jane — D. C.
*Garcia, Juan Platet — P. R.
Gardner, Paul — D. C.
A.B. 1928, The George Washington University
Gates, Robert McConnell — Iowa
Gatins, Nell — Ga.
Gatti, Richard Stephen — D. C.
Gaver, Mary Virginia — Va.
A.B. 1927, Randolph-Macon Woman's College
Geisel, Edith — Pa.
Gelpi, William — D. C.
Gerber, Aaron — D. C.
Gertler, Louis — D. C.
Gibson, Mary Snyder — D. C.
A.B. and T.D. 1928, The George Washington University
Gignilliat, John McIver — D. C.
Gill, Lake S. — D. C.
A.B. 1923, Stanford University
Gillespie, Frank Smith — Ill.
Gilman, Robert Bartram — Conn.
Gilsdorf, Frederick James — Mont.
A.B. 1928, The George Washington University
Ginsburg, Morris — D. C.
Blaubach, Nathan — D. C.
Glover, Mervin Wilbur — D. C.
Goldberg, William David — D. C.
Goldman, Benjamin — D. C.
Goldman, Joseph — D. C.
Goldsmith, Harry — Pa.
Goldsmith, Joseph Blackistone — Va.
B.S. 1927, The George Washington University
Goldstein, Marcus Solomon — D. C.
Gooch, Donald Willis — D. C.
Good, Newell E. — Ohio
A.B. 1927, Heidelberg University
Goodin, Helen Bernice — Ohio
Goodwin, Lois Virginia — Va.
Gordon, Leon Stuart — D. C.
Goss, John Hurlburt — Pa.
Graff, Hilda Evelyn — D. C.
Graham, Penelope — D. C.
Graham, Robert — D. C.

Grant, Florence Edith — N. Y.
Green, Mary Farquhar — Md.
Greenberg, Milton M. — D. C.
Greenfeld, Jacob Herbert — Md.
Greenwood, Audley Herbert — Md.
Gregg, Emma Gibson — D. C.
Grey, Wheeler — N. J.
Griffin, George Francis — N. H.
Griffith, Gilbert Raymond — D. C.
Grindell, May Eleanor — Mass.
Griswold, Nancy — D. C.
Guinn, Harry Manville — Minn.
Gunnell, Bruce Covington — Va.
Gunther, Anne Agnes — D. C.
Gunther, Clarence S. — R. I.
Hagerty, Emmet Lawrence — Mont.
Haines, Hilton Drummond — D. C.
Hall, Helen Beryl — D. C.
Hall, Marion Ethel — D. C.
A.B. 1926, Goucher College
Hall, Mary Belle — Ky.
Haller, Herbert Weaver — D. C.
Hambrook, Robert William — Md.
A.B. 1926, University of Southern California
Hamill, Harold Louis — D. C.
Hamilton, Ann Sparks — Ga.
A.B. and T.D. 1926, The George Washington University
Hamilton, Robert Martin — Va.
Hammond, Grace Wilhemina — Va.
Haney, Paul Edmond — D. C.
Hannan, Mildred Agnes — D. C.
Hannon, Sarah Alleta — D. C.
Hanway, Hannah Jane — D. C.
Hardee, Robert — N. C.
Hardgrave, Terrell Walter — Ark.
Hardin, Robert — Tex.
A.B. 1920, University of Texas
Hardin, Robert — D. C.
Hardy, William, Jr. — D. C.
Harnsberger, Nancy Wolfe — D. C.
Harris, Freeda Lucille — D. C.
Harris, Sophia Voigt — D. C.
A.B. 1925, The George Washington University
Harrison, Albon Wayne — Tex.
Harrison, Arthur P. — Md.
Harrison, Louis Pincus — Mass.
Harrison, Miriam — Va.
Hart, Sara Teresa — Va.
A.B. 1925, The George Washington University
Hartley, Olive — Nebr.
Haskell, Frank Bosley, Jr. — D. C.
Haskins, Anne Meade — Va.
Hatch, Douglas Lorenzo — Nev.
Hatfield, Harold DeWolfe — D. C.
B.S. 1915, The George Washington University
Hazell, Audrey Veronica — D. C.
Heal, Delight — Ind.
Heare, Johnson Thomas — D. C.
Heinold, Katherine — Mich.
Henderson, Jane — D. C.
Hendrickson, Lydia — D. C.
Hennessy, Nana Elizabeth — Ill.
*Henry, Patrick Joseph — Pa.
Herndon, Miriam Jones — Ky.
Herndon, Paul Holder, Jr. — Fla.
Hess, Laurie Floyd — D. C.
Higgins, Eugene W. — D. C.
Hill, Florence — Ind.

Hill, Richard Archibald — Pa.
Hilton, George Pike — D. C.
Hilton, Mary Ernestine — D. C.
Hilton, Miriam B. — D. C.
Hilton, Ralph — Miss.
Hoaglund, Cyrus Vincent — Minn.
Hoar, Robert Everett — D. C.
Hobbs, Joseph Brady — N. C.
Hoff, Irma — Ind.
Hoffman, Gene Louise — D. C.
*Hoffman, Isidore Louis — N. Y.
Hogan, Austin — N. Y.
Holder, Rosa — D. C.
Hollingsworth, Coral M. — Mo.
Holmes, Iris May — Ohio
Hoover, Lois Elizabeth — D. C.
Hoover, Martha A. — D. C.
*Hopkins, Robert Stanley — Conn.
Hopley, Rosebud Maggert — Okla.
Horne, Robert Sanderson — Vt.
B.S. 1920, Massachusetts Agricultural College
Hoskinson, Helen Murray — D. C.
Hossfeld, Raymond Frederick — D. C.
Houser, Ralph H. — D. C.
Houser, Ruth Elizabeth — D. C.
Howard, Victor Atwood — D. C.
Howers, Edgar Baier — D. C.
Howie, Agnes Jane — Md.
*Howser, George Francis — Md.
Hoyt, John Mitchell — D. C.
A.B. 1928, The George Washington University
Hubbard, Henry Furness — Md.
A.B. 1928, The George Washington University
Huenchullan, Arturo — Chile
Hufnagel, Charles Frederick — D. C.
Hughes, Isabel Price — D. C.
A.B. 1921, Elizabeth College
Hughes, Mary Estelle — Ga.
Hull, Ralph Moody — W. Va.
Hunt, Lucy Jones — D. C.
Hurd, Margery Churchill — D. C.
Huson, Jennie Cora — Ohio
Hutchinson, Robert Lewis — D. C.
Hutchison, Frances Elizabeth — Md.
Hyde, DeWitt Stephen — D. C.
I'Anson, Nannie Armistead — D. C.
Iglehart, Esther Garland — D. C.
Jackson, George Maynard — D. C.
Jackson, John Frederick — Mo.
Jackson, Ruth — D. C.
A.B. 1927, The George Washington University
Jacobs, Eva Louise — D. C.
Jacobs, Pearl Virgil — D. C.
*Jeffery, Clara Bell — Ill.
Jester, Leon Wright — Fla.
Jewell, Edgar Guy — Md.
Johnson, Harry Wiswell — D. C.
A.B. 1927, The George Washington University
Johnson, James Lloyd — Ohio
Johnson, Laskey — D. C.
Johnson, Laskey Wanstall — D. C.
Johnson, Paul Gerhard — Wis.
Johnson, Roger C. — Mo.
Johnson, Ruth Catherine — D. C.
Johnson, Sherman — Mo.
Johnston, Marion Brickley — Pa.
Jones, Francis William — N. Y.
Jones, Monnie Neil — Fla.
Jones, Sampson L. — D. C.
Jones, Sarah Annie — D. C.
Joseph, Reuben A. — Utah
Kane, Margaret Catherine — D. C.
Kaltz, Sidney S. — N. J.
*Karickhoff, Julia R. — W. Va.
B.S. 1925, The West Virginia Wesleyan
Kauffman, Letty Fern — Nebr.
Keeler, Kenneth LaFayette — Utah
Keenan, Marion — Pa.
Keep, Kathryn Lee — Pa.
Kees, Nanele — Minn.
Keesee, Sylvester Wooding — D. C.
Keith, Mary Mildred — D. C.
*Kelley, Dennis S. — Va.
Kelley, Eugene Charles — D. C.
A.B. 1927, University of Minnesota
Kellogg, Clyde Elmer — D. C.
Kelsey, Gertrude Eloise — D. C.
Kendrick, Caldwell C. — Va.
Kennedy, George Howe — N. J.
A.B. 1928, Princeton University
Kennedy, William Brent — Va.
Keren, Louis — D. C.
Kernan, Ruth Taylor — D. C.
Kerwin, Charles Henry — N. Y.
Ketchum, Miriam Blaisdale — Ga.
Kettering, James H. — D. C.
Keyser, Charles Frank — D. C.
Kidwell, Gertrude Vivian — Va.
Kieferle, Alice Kennedy — D. C.
Kieferle, George Raymond — Pa.
Kennedy, John Royer — Ill.
Kiley, Bernard Charles — Mass.
Killarney, Francis Michael — Mass.
Kimball, Arthur Alden — D. C.
King, Karl Vernon — D. C.
King, Mary Anna — D. C.
Kline, Emily Brown — Md.
A.B. 1928, The George Washington University
Klivitzky, Borris Max — D. C.
Klopfer, Lewis White — D. C.
Knapp, David Goodwin — Ind.
Knapp, Ignatius Melchoir — Pa.
Knight, Perle — Ala.
Knisely, Edna Ilene — Ind.
A.B. 1922, The George Washington University
Knott, William Luther — D. C.
Knowles, Eleanor Elaine — Md.
Knowles, John Philip — Iowa
Knowlton, John Wellington — Md.
Koontz, Edna Russell — D. C.
Kosicki, Cecelia — Conn.
Kouns, Lucile M. — Colo.
Krause, Mary Hobgood — D. C.
Krebs, William Lawrence — D. C.
Kringel, Paul Foote — Iowa
Kroell, Marie Elsie — D. C.
A.B. 1928, The George Washington University
Krogmann, Francis Xavier — D. C.
Krug, Walter John — Calif.
A.B. 1927, Gallaudet College
*Krumboltz, Orus F. — Iowa
B.S. 1927, Iowa State College
Kuqua, Juliana Thompson — N. Dak.
Lacaze, Eulalie — Tex.
Lacy, Katharine C. — D. C.
Laffey, Anna — Pa.
Lamore, Alberta Rose — Md

Lane, Margaret Mary D. C.
A.B. 1916, Trinity College
Lankford, Johnie Va.
Latta, James Bullen D. C.
Laughlin, Charles Vaill Iowa
Lavine, Estelle Ida D. C.
*Lawrence, Birdie Tex.
A.B. 1918, Baylor College
*Lawrence, Claude Thomas D. C.
Lebowitz, Samuel Md.
Lechner, Florian D. C.
Lee, Walter R. N. Y.
Leonard, Genevieve Md.
Leonard, Robert Sterling D. C.
Lepley, May D. C.
Lepman, Harry D. C.
Levin, Samuel Jacob D. C.
Lewis, John Lambert W. Va.
Levine, Harry N. Y.
Lewis, Paul R. D. C.
Lightfoot, Charles Eastman Va.
Ligon, David Stovall Va.
Lill, Bernice Drake D. C.
A.B. 1916, Wellesley College
Lindsay, Elsie P. D. C.
Lindsey, Eleanor May D. C.
Lindsley, Howard Allyn Fla.
Lineborger, Paul Myron, Jr. D. C.
Link, Anna Moore W. Va.
Link, Dennis Clemence D. C.
Litman, Bessie D. C.
Little, Fudel Roberts D. C.
Littlepage, Thomas Price D. C.
Livingston, Claude J. D. C.
Lockwood, Daniel Hammond D. C.
Loftis, J. Wesley Tex.
A.B. 1924, Howard Payne College; A.M. 1928, The George Washington University
Lohmann, Pauline D. C.
A.B. 1923, The George Washington University
Loman, Martha Eleanor Md.
Longacre, Endicott D. C.
Lucas, Alice R. D. C.
Luce, Clifton Hadley D. C.
Lumsden, Florence N. Y.
Landgren, Maynard Benjamin Ill.
Lusk, Catherine R. Ohio
Lyman, Josiah D. C.
Lynam, Francis Paul Pa.
Lynch, Theresa Inez Va.
Lyon, Mary Hillyer Conn.
McBrien, Dean Depew D. C.
McCall, John D. D. C.
McCarten, Katherine Iowa
McCarty, Oneta Wash.
McClain, Evelyn Pa.
A.B. 1928, The George Washington University
McClellan, Henry Leatis Ind.
McCollum, Foris Theodore, Jr. Tex.
A.B. 1924, Baylor University
McCutcheon, Duval T. Ark.
*McDermott, Bernard Joseph D. C.
*McDougle, Edith Augusta D. C.
McFadden, Naomi Ind.
McGivney, Helen Rita D. C.
McGraw, William David Mass.
McGregor, Daniel, Jr. D. C.
McIntyre, Alfonso Everett D. C.
A.B. 1927, University of North Carolina

McIntyre, Bessie Fla.
McKellar, Ella Clare Va.
McLaughlin, Damian John Pa.
McManaway, James Gilmer D. C.
A.B. 1919, University of Virginia; A.M. 1920, University of Virginia
McMillan, Hugh Charles D. C.
McMurdie, Mary Ethel D. C.
B.S. 1927, Northwestern University
McNair, Norma B. D. C.
McNallan, Wilbur Thomas Minn.
McNamee, Paul D. Pa.
B.S. 1927, Dickinson College
McNeely, John Hamilton D. C.
McNeil, Harold Osman D. C.
McNitt, Arnold H. D. C.
B.S. 1925, The George Washington University
*McOscar, Paul Joseph Ohio
McPeak, William Wallace Tenn.
McPherson, Albert Eugene D. C.
MacDonald, Elizabeth Md.
MacDonald, Verne Oswald D. C.
MacGowan, Josephine Louise N. H.
Machmer, John Henry Pa.
Mack, Frederick Fuller D. C.
MacLacklan, John Miller Miss.
Madden, Lidie Bagwell S. C.
Maisel, Benjamin Md.
Malmberg, Cyrus George Md.
Mangum, Clara Belle Ohio
Mangum, Mary Ellen D. C.
Mangum, Susie Alice D. C.
Manning, Ellis Wooster Okla.
Manning, Helen Louise D. C.
Manning, Lucy Rains Okla.
Manning, Rosalie Md.
Mapes, Robert Warrington Mich.
*Markwood, Ruth D. C.
Marsden, Mary Margaret D. C.
Martin, Herbert Lester Idaho
Martin, Thomas Marshall D. C.
Martinez, Jose P. I.
Martone, Edward Jay N. Y.
Mason, Chlorus K. Mo.
Mason, John Thomas Ill.
Masson, Helen Burd D. C.
*Matthew, Ernest Randall Iowa
Mattox, Gail Ohio
Maybee, Harold V. D. C.
Mayo, John Edward Me.
Mead, Mabel Carolyn D. C.
Mechelke, Lynne Wis.
Meirs, Lois Howell D. C.
Meissner, Harmon Stimbert Utah
B.S. 1922, University of Utah
Mekis, Thomas Anthony N. J.
Menefee, James Lyddane Va.
Merritt, Fannie Fern Me.
Meyer, Louise Land D. C.
Michaelson, Joseph McGregor D. C.
Micklow, Alice Mich.
Middleton, William Va.
A.B. 1925, The George Washington University
Miller, A. Christeen Md.
Miller, Bruce Ervin Ohio
Miller, Jay Howard N. J.
Miller, John Charles D. C.
B.S. 1916, Missouri School of Mines; M.E. 1921, Missouri School of Mines

Miller, Lloyd Otto — D. C.
Miller, Russell P. — D. C.
Miller, William Sterling — Va.
Milliken, Kenneth Augustus — D. C.
Mills, Coel William — Mont.
Mish, Kemp Hammond — D. C.
Mitchell, Mary H. — D. C.
Mitchell, Ona F. — Va.
Monachino, Marietta R. — Pa.
Monachino, Rose Frances — Pa.
Monroe, Mildred — Va.
Monroe, Watson H. — D. C.
Montani, Rocco Joseph — N. J.
Moon, S. Martha — D. C.
Mooney, Eire A. — D. C.
Moore, Edith Shannon — D. C.
Moore, Louise M. — D. C.
A.B. and T.D. 1926, The George Washington University
Moore, Margaret — D. C.
Moore, Marian Jane — D. C.
*Moore, Paul — N. Y.
Moore, Robert Woodward — Md.
Moorhead, Gertrude Elizabeth — D. C.
Morgali, M. Ralph — Nev.
Morgan, Alfred Kirke — Md.
Morgan, Mary Ellen — W. Va.
A.B. 1917, West Virginia University; A.M. 1924, Columbia University
*Morris, Lynn — Utah
Morris, Rachel Mary — N. Y.
Morris, Sara Roberta — D. C.
Morris, Walter N. — Pa.
Morrison, Edward B. — Va.
Moser, Karl Jones — Mo.
Moss, Emilie Nixon — D. C.
Mothershead, Marjorie Winifred — D. C.
A.B. and T.D. 1927, The George Washington University
Moudy, Bernice Elinor — Ind.
Moyer, Ada L. — Ohio
Muir, Vera Helen — D. C.
Murdock, Frank Joseph — D. C.
Murphy, Albert Vincent — D. C.
Murphy, Mabel Gant — Ind.
A.B. 1912, Butler College; A.M. 1923, The George Washington University
Myers, Gertrude — D. C.
Myron, Claire Priscilla — Mass.
Nations, Florence E. — D. C.
A.B. 1923, The George Washington University; A.M. 1925, The George Washington University
Naylor, Ruth — D. C.
Neff, Geary — Mo.
Nelson, Melville Cary — D. C.
Nesbit, Mary Katherine — Kans.
Neu, John Anthony — Va.
Nevius, Richard David — D. C.
Newlove, Ivadel Elsie — N. Dak.
A.B. 1921, The George Washington University; A.M. 1924, The George Washington University
Newport, George William — D. C.
Nichols, Charles — Ky.
*Nickol, LeRoy Ernest — D. C.
Niemeyer, Herbert Frederich — D. C.
Noland, William George — W. Va.

Noneman, Harold Frank — Mich.
Nordstrom, Gertrude Hunter — D. C.
North, Marion H. — Md.
Norton, Leland Dean — D. C.
Nugent, John Anthony — Va.
Ockershausen, Carla Henrietta — D. C.
Ockershausen, Marie Fredericka — D. C.
O'Connor, Frank James — Iowa
*O'Connor, Leo John — Pa.
O'Halloran, Thomas Alvin — Va.
Oldaker, Hazel Leota — Va.
Olney, Alice Curtis — D. C.
O'Neill, Catherine Ann — Md.
A.B. 1928, The George Washington University
Oppenheimer, Celia — D. C.
A.B. 1919, Bryn Mawr College
Ormiston, Lawrence Robert — D. C.
Orndorff, Roy L. — D. C.
Osterhout, Karl Jackson — D. C.
*Owens, James Uberta — D. C.
Painter, Aileen Morrow — D. C.
Panzarella, Joseph Albert — Md.
Parker, Katherine Elizabeth — Md.
A.B. 1924, Brenau College
Parker, Vera — D. C.
*Parkman, Robert Breck — Colo.
Parsons, George Samuel — D. C.
Parton, Dorothy Martha — D. C.
A.B. and T.D. 1924, The George Washington University
Parton, Natalie Leo — Ind.
A.B. 1923, Trinity College; A.M. 1925, The George Washington University
Parvis, Bertha — Md.
Pasma, Henry Kay — D. C.
A.B. 1910, Hope College; A.M. 1913, Hope College
Paul, Marjorie — Va.
A.B. 1917, Goucher College
Payne, Howard S. — Md.
Payne, John Byrd — Va.
Payne, Nellie Angeline — Cuba
Pedreiray, Martinez-Luis — D. C.
Peed, Margaret — Tex.
Pender, Hardison C. — Tex.
A.B. 1921, North Texas State Teachers College; A.M. 1926, Baylor University
Pender, Joseph William, Jr. — D. C.
A.B. 1921, North Texas State Teachers College; A.M. 1926, Baylor University
Peter, Fannie Irene — D. C.
Peters, Lillian Anne — Conn.
Peterson, Dorothy — D. C.
Peterson, Hazel Alberta — Tex.
Peterson, Thomas Hardin — Md.
Petts, George Edward, Jr. — D. C.
Philpitt, Blanche Williss — P. I.
Piniera, Felix Martin — D. C.
Pohle, Charles Lawrence — Va.
Polacoff, Molly — D. C.
Pollock, Addison Scott — D. C.
Pollock, Vesta Alberta — Md.
Pope, Eva Moore — Md.
Popenoe, Willis Parkison — Italy
Porotto, Fortunato — Va.
Powell, Jean Dickerson — Pa.
Powell, William McKelden — P. R.
Pozo, Virgilio — D. C.
Prangley, Blanche Irene

Preininger, Edward Richard — Pa.
Prentiss, Jean Elizabeth — D. C.
Pressly, Dorothy — Okla.
A.B. 1925, Oklahoma University
Prevost, Charles Joseph — Canada
Price, Gladys Irene — D. C.
Price, Leonard Hugo — Md.
Price, Margaret Lee — D. C.
Price, Warren, Jr. — D. C.
Probey, Helen Louise — D. C.
Pugh, Lacy R. — Miss.
Pulizzi, Blanche Louise — D. C.
Purificacion, Alfredo F. — P. I.
Purvis, Don Ricardo Mills — D. C.
Pyle, Dorothy Boyd — D. C.
Pyles, William Thomas — D. C.
Quarles, John Dana — D. C.
Rabinowitz, Gilbert — N. Y.
Racioppi, Rosalinda Maria — N. Y.
Radue, Richard Glover — D. C.
Ramirez, Duque Jorge — Panama
Randall, Ida Virginia — D. C.
*Rapp, Clyde Edward — Wash.
Rauwolf, Hugh Leopold — D. C.
Reamy, Elizabeth — Md.
Reavis, Elizabeth Hill — N. C.
Reed, Erik Kellerman — D. C.
Reikes, Rose — D. C.
Reisinger, Fred — D. C.
Reinstein, Karl Joseph — Iowa
Reneau, Thomas Alan — Tex.
Replogle, Thelma Alice — D. C.
Revilla, Manuel Gonzalez — Panama
Reynolds, Eula Agnes — Ga.
Reznek, Joel — D. C.
Richard, D'Albert Joseph — La.
Richards, Edwin Hobart — D. C.
Richards, Walsh — D. C.
Richardson, Ewart Corydon — W. Va.
Richwine, Margaret Helen — Va.
Riggins, Glendmar U. — Tex.
Rinehart, Ted A. — D. C.
Riscassi, Leo Joseph — Conn.
Ritchie, Don C. — D. C.
Rittenberg, Anita Dora — S. C.
A.B. 1916, Elizabeth College
Ritz, Coralie Barbara — D. C.
Roberts, Hugh S. — Pa.
Robertson, Archie Frank — Va.
A.B. 1912, University of Richmond
Robinson, Mary Edith — D. C.
Rodeck, Herbert Alfred — Ill.
Roe, Edward Thomas — Va.
Root, Shirley Brown — Va.
*Rose, Martha Louise — Ill.
Rosenthal, Jacob — N. Y.
Ross, Frances Pritchard — D. C.
Ross, Helen Regina — D. C.
*Rosson, Bernard Allen — D. C.
Rounds, Elizabeth Wilkinson — D. C.
Rouse, Mary Rosella — Va.
A.B. and T.D. 1927, The George Washington University
Rouse, Sara Pierce — D. C.
Roush, Walden Francis — W. Va.
Royer, Walter John — D. C.
Ruff, Laura Virginia — D. C.
Rumbough, William S. — D. C.
B.S. 1927, The George Washington University
Russell, Truss — ark.
Rutter, Ella Purvis — D. C.
*Sachs, Abraham — Md.
Said, John Edward — N. C.
Sanborn, Ella Louise — D. C.
Sanders, Thomas E. — Wis.
A.B. 1895, Indiana University
Sanderson, Lennie Roberts — D. C.
Sanford, Anna-Laura — D. C.
Saum, Emily Eleanor — Va.
A.B. 1924, The George Washington University
Saunders, Walter Allen — D. C.
Sawyer, Richard Leigh — D. C.
Scaife, Hazel Jordan — D. C.
Scarborough, Walter Boyd — Tex.
A.B. 1928, The George Washington University
Scharinger, Anna — Md.
Schenken, Dorothy Mae — D. C.
Schiffman, Jane — Mo.
Schmidt, Martha Rowlett — D. C.
Schober, Edward M., Jr. — Ark.
A.B. 1927, Centre College
Schricker, John Adams — D. C.
*Schroeder, Katharine Elizabeth — D. C.
Schut, Wendell Lewis — Md.
Schutt, Wallis Cogswell — Va.
Schwarz, Felix Conrad — D. C.
Schwinn, George Hamilton — Ga.
Scida, Samuel Adams — N. Y.
Scott, Ethel Hicks — Tex.
Scott, Paul Fordham — D. C.
Scott, Stephen Mapes — N. Y.
Senior, Mildred Ruth — Kans.
Serviss, Frederick LeVerne — D. C.
Shapiro, Samuel — D. C.
Sharswood, Florence E. — D. C.
*Shaughnessy, Ruth Clare — D. C.
Shearer, Howard Elsworth — D. C.
Sheridan, William F. — Va.
Sherwood, Winifred H. — Colo.
A.B. 1925, The George Washington University
Shewmaker, Roberta — D. C.
Shewmaker, Sibyl — D. C.
Short, Margaret M. — D. C.
Showalter, Virginia Grace — Va.
Sichi, William T. — D. C.
Sickler, Donald R. — D. C.
Sickler, Gerald Whitmore — D. C.
Silva, Juan — P. I.
Silverman, Joseph M. — D. C.
Silverman, Louis Charles — D. C.
Silverman, Morris — D. C.
Simms, George Dyson — D. C.
Simons, William Herzel — Conn.
Simonsen, Ida — D. C.
Simpson, Joseph Bernard — D. C.
Sinclair, Richard Allan — Nebr.
Sinclair, Virginia Louise — D. C.
Singleton, Mary Middleton — Va.
Sisson, Abbie Mills — D. C.
Slayton, Polly P. — Md.
Slechta, Marie — D. C.
Slye, George Henry — D. C.
*Small, Dorothy Yost — D. C.
Small, Gertrude Katharine — D. C.
Smith, Ann-Eliza — Ill.
Smith, Dorothy Millicent — D. C.
Smith, Edna S. — Mich.
A.B. 1920, The George Washington University; A.M. 1925, The George Washington University

Smith, Eva D. D. C.
A.B. 1925, The George Washington University
Smith, Hugh Stewart D. C.
Smith, Jonas Milton D. C.
Smith, Lester Allan Okla.
Smith, Louis Charles D. C.
Smith, Mary Carolyn Ohio
Smith, Mary P. W. Va.
Smith, Nevin Edward Md.
B.S. 1923, Franklin and Marshall College
Smith, Pearl Elizabeth Ill.
Smith, Robert F. D. C.
Smith, Roger Don D. C.
Smith, Rose Marie D. C.
Smith, Rudolph Martin John Md.
Soderberg, Chester Nathan Minn.
Somera, Antonio S. D. C.
Sommerville, James William Va.
Sosa, Nasim D. C.
B.S. 1923, Colorado College
*Sosa, Gabriel Ramon Panama
Souder, Laura Md.
Sowers, William Risque Md.
A.B. 1923, St. Johns College
Spain, Edgar D. C.
Sparks, Donna-May D. C.
Spencer, Arline D. C.
Sperry, August W. Fla.
Spigelmire, Charles Edgar Md.
Spooner, Beth D. C.
Sproul, Helen Mary Pa.
Stallings, Mildred Evelyn D. C.
A.B. and T.D. 1921, The George Washington University
Stearns, Robert Maynard Iowa
Steele, Mildred Estella D. C.
A.B. and T.D. 1925, The George Washington University
Stehman, John Harold Va.
Stein, Elizabeth D. C.
Steiner, Edward Thomas D. C.
Steingold, Moses Va.
Stephenson, William Joseph D. C.
Sterrett, William Dent D. C.
Stier, Alma D. Md.
Stockbridge, Margaret May D. C.
Stocker, Lucy Rebecca Ohio
Stohlman, Mildred Adele D. C.
Stolar, Annie Sylvia D. C.
Stolar, Robert D. C.
Stoll, Rindell D. C.
St.-Omer-Roy, James Augustus Nev.
Strawbridge, Francis Neilson D. C.
Streett, Margaret D. C.
Strickland, Virginia D. C.
Strode, Leona Frances D. C.
Strother, C. Porter W. Va.
Stubbs, Donald Harrison D. C.
Studdiford, Walter Speer D. C.
Stutz, Frank August Pa.
Sugrue, Thomas Joseph Conn.
Sullivan, Edward Francis Md.
*Sullivan, William Francis Mass.
Summerville, Julia Chapin D. C.
Swingle, Lester Monroe D. C.
Swingle, Ralph H. D. C.
Swope, Bradford D. C.
Sydenstricker, Vivian Alexander Ga.
A.B. 1924, Presbyterian College of South Carolina

Taggart, Giles Russell, Jr. D. C.
A.B. 1924, University of Western Ontario
Tanner, John H. Utah
*Taylor, Ancel Newel Idaho
Taylor, Edith Pugh W. Va.
*Taylor, Mary Lee D. C.
Teepe, Elizabeth Ada D. C.
Tennyson, Joseph Burch D. C.
Terry, George Okla.
Theis, Ethel Jane D. C.
Thom, George Chester D. C.
*Thomas, Cyrus Douglas N. Dak.
Thomas, Eugene Shorb D. C.
Thomas, Geneva Martin Va.
Thomas, Thomas Maxwell Va.
Thompson, James R. D. C.
Thompson, Marvin Russell D. C.
Ph.C. 1926, University of Minnesota
Thompson, Owen Gardner D. C.
Thompson, William Dove Md.
Thomson, Claudia D. C.
Thonssen, Ruby Ella D. C.
A.B. and T.D. 1925, The George Washington University
Tillotson, John Wallace D. C.
Tobias, Candido Elbo P. I.
Tomlin, Carl William D. C.
Tomlinson, Lela Mae S. C.
A.B. 1920, Winthrop College
Tompkins, Francis Meade D. C.
*Touhey, Matthew Patrick D. C.
A.B. 1925, Catholic University
Towson, Helen J. D. C.
Trout, Howard Yokem N. Y.
Trueworthy, Burnett Thurston D. C.
Trusheim, Eva M. D. C.
Tucker, William Armistead D. C.
Tuhy, Stephen, Jr. Minn.
Turner, Otis Lee Va.
Turner, Samuel F. N. M.
B.S. 1926, Colorado Agricultural College
Turoff, Dora M. D. C.
Umbaugh, Margaret Grimm D. C.
Vail, Margaret Lee D. C.
VanHeuckeroth, Arthur William D. C.
VanThullenar, Clayton Francis Wis.
Veihmeyer, Louise D. C.
VonAmmon, Bernhard D. C.
Wagner, Thomas William Tex.
Waldron, Callie S. D. C.
Walker, Ruth Delphine D. C.
Walker, Walter Kennedy Utah
Walser, Frances Harcourt N. C.
Walsh, George Bailey Tenn.
Walsmith, Retta Esther D. C.
Ward, Edith Jacqueline D. C.
Ware, Grace D. C.
Warner, Harold Ellsworth D. C.
A.B. 1913, The George Washington University
Warrington, Mary Elizabeth Del.
Waterman, Bernice Luella Mich.
Waters, David D. C.
Watkins, Samuel A. N. C.
Watson, Alice Rebecca D. C.
Watson, Ella Bartlett D. C.
A.B. 1900, Goucher College
Watson, Quentin Durward Mo.
Weaver, Marjory A. Md.

Webb, Byron Horton — Calif.
B.S. 1925, University of California
Webster, Beryl Marie — Md.
Wecksler, Esther Rae — D. C.
Weeks, Norman E. — D. C.
Weigel, William Robert — D. C.
Welch, Helen Genevieve — Mass.
Wells, Milton Kenneth — Okla.
Wells, William VanHorn — Va.
Wenchel, Anna Louise — D. C.
*Werner, Ralph Arthur — Va.
Wester, Horace Volney — Va.
Wester, Robert Emerson — Va.
Wetherill, John Price — Md.
*Wetmore, Myrtle Victoria — Okla.
A.B. 1927, University of Oklahoma
Wharton, Maude C.
Wheeler, Elizabeth Beale — Tex.
White, C. Stanley — D. C.
White, Helen Louise — D. C.
White, Ruth — D. C.
Whitehouse, Francis Herbert — Nebr.
Whitestone, Isaac Melvin — Calif.
Whitlock, Carolyn — Va.
A.B. 1910, Valparaiso University; A.M. 1923, The George Washington University — Ind.
Whittier, Irving Maurice
Wilcox, Blanche Bowden — Conn.
Wilcox, Charles Francis — D. C.
Wildman, Elise Pauline — Md.
Wiles, William Gilbert — D. C.
Williams, Irene — D. C.
Williams, Robert Snead, Jr. — N. M.
Williams, R. Eugenia — D. C.
Williamson, James Harold — D. C.
Williard, John Earlton — Va.
Williford, Mildred E. — Pa.
Willis, Dewey Earl — Fla.
Willis, Gladys Zuleima — Md.
Willoughby, Grace Elizabeth — Md.
Willoughby, Marion Frances — D. C.
Willson, Eleanor Everett — D. C.
Willson, Elizabeth Gilpin — D. C.
Wilpan, Charles — Md.
Wilson, B. Douglas — D. C.
Wilson, Frank Marion — D. C.
Wilson, Myron Edward — D. C.
*Wilson, Russell — Ala.
B.S. 1926, Alabama Polytechnic Institute; M.S. 1927, The George Washington University
Wilson, Thomas Richard — Calif.
Windsor, Norma May — Md.
Wineland, Eugene Harold — D. C.
Wingo, James G. — D. C.
Winkle, Justin Frederic — N. Y.
Winnemore, Lawrence P. — Md.
Winter, Ruth Jane — D. C.
Wirkus, Julia Rose — Ill.
Wise, Virginia Ruth — D. C.
Wolfson, Edward — Va.
Wood, Mary Rawlings — D. C.
Wood, Richard Moulton — D. C.
*Woodward, Edna Hazard — D. C.
Woodward, N. Faye — Kans.
Woodward, Wayne Wolverton — Pa.
Wootten, John Frank — Md.
Worrall, Dorothy Norwood — D. C.
Wortman, Arthur Vance — Colo.
Wren, Jean McCreath — Pa.
Wren, Virginia — Pa.
Wright, Elizabeth Howard — D. C.
Wright, Elsie Star — Va.
A.B. and T.D. 1927, The George Washington University
Yarnall, Miriam — Pa.
Yochelson, Charlotte Sara — D. C.
Yochelson, Irving Bernard — D. C.
Yongue, Norman Estes — S. C.
B.S. 1924, The Citadel
Young, Grace Victoria — D. C.
A.B. and T.D. 1927, The George Washington University
Young, Jean Virginia — D. C.
Young, Malcolm McInnis — N. C.
A.B. 1926, University of North Carolina
Youngkin, Anna May — D. C.
Yowell, Olga Virginia — D. C.
Zervoulei, Andrew Jean — D. C.
Zitt, Vernal M. — Fla.
A.B. 1924, University of California
Zoch, Richmond Tucker — Ala.
*Zorn, Henry Oscar — D. C.

SUMMARIES OF REGISTRATION

COLUMBIAN COLLEGE:		
Candidates for A.B. degree	2,148	
Unclassified	145	
Special Pre-Legal	29	
Special Pre-Medical	48	
Special students	424	
Candidates for B.S. degree	116	
		2,910
THE GRADUATE SCHOOL OF LETTERS AND SCIENCES:		
Candidates for the Ph.D. degree	54	
Candidates for the M.S. degree	95	
Candidates for the A.M. degree	217	
Students in attendance	23	
		389
THE SCHOOL OF MEDICINE:		
Candidates for the M.D. degree	289	
THE SCHOOL OF NURSING:		
Candidates for Diploma in Nursing	55	
		344
THE LAW SCHOOL:		
Candidates for degree of LL.B.	715	
Candidates for degree of LL.M.	18	
Unclassified	9	
Special students	24	
		766
THE SCHOOL OF ENGINEERING:		
Candidates for B.S. in Chem. degree	9	
Candidates for B.S. in Chem. Eng. degree	20	
Candidates for B.S. in C.E. degree	116	
Candidates for B.S. in E.E. degree	105	
Candidates for B.S. in M.E. degree	91	
Candidates for B.S. in Physics degree	3	
Unclassified	46	
Special students	47	
		437
THE SCHOOL OF PHARMACY:		
Candidates for Phar.G. degree	61	
		61

THE SCHOOL OF EDUCATION:

Candidates for A.B. degree in Education	499	
Unclassified	67	
Special students	73	
Candidates for A.M. degree	71	
Candidates for Ph.D. degree	17	
Students in attendance	21	
		748

THE SCHOOL OF GOVERNMENT:

Candidates for A.B. degree in Government	41	
Candidates for A.B. degree in Foreign Service	28	
Unclassified	7	
Special students	4	
		80

THE DIVISION OF LIBRARY SCIENCE:

Candidates for A.B. degree in Library Science	76	
Unclassified	8	
Special students	42	
		126

THE DIVISION OF FINE ARTS:

Candidates for B.Arch. degree	56	
Candidates for Bachelor of Arts degree	26	
Special students	14	
Unclassified	4	
		100

Total—Academic Year 1928-29	5,961
Summer Sessions 1928	1,416
Total	7,377

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	27	Indiana	96
Arizona	4	Iowa	90
Arkansas	33	Kansas	33
California	45	Kentucky	37
Colorado	29	Louisiana	21
Connecticut	60	Maine	21
Delaware	19	Maryland	556
Florida	30	Massachusetts	79
Georgia	43	Michigan	53
Idaho	33	Minnesota	62
Illinois	99	Missouri	70

Mississippi	25
Montana	16
Nebraska	25
Nevada	9
New Hampshire	10
New Jersey	98
New Mexico	17
New York	281
North Carolina	69
North Dakota	19
Ohio	108
Oklahoma	55
Oregon	4
Pennsylvania	218
Rhode Island	10
South Carolina	27
South Dakota	28
Tennessee	24
Texas	72
Utah	69
Vermont	8
Virginia	527
Washington	20
West Virginia	88
Wisconsin	46
Wyoming	10
District of Columbia	3,881
Canada	6
Chile	2
China	2
Cuba	1
England	1
France	1
Germany	1
Greece	1
Italy	2
Japan	3
Panama	8
Philippine Islands	18
Palestine	1
Porto Rico	24
Spain	1
Switzerland	1
Uruguay	1
Total	7,377

GRADUATES OF COLLEGES

Abilene Christian College	1
Agnes Scott College	2
Alabama Polytechnic Institute	5
Alabama, University of	4
Albion College	3
Albright College	1
Alfred University	1
Allegheny College	2
Alma College	1
American University	1
Antioch College	3
Augustana College	1
Aurora College	1
Arkansas, University of	4
Baldwin-Wallace College	1
Baylor University	4
Berea College	1
Bethany College	1
Blue Ridge College	2
Boone University	1
Boston University	1
Bowdoin College	3
Bradley Polytechnic Institute	1
Brenau College	3
Brigham Young University	2
Brooklyn College	1
Brown University	3
Bryn Mawr College	1
Bryson College	1
Bucknell University	2
Buena Vista College	1
Butler College	4
California Inst. of Technology	1
California, University of	12
Canisius College	1
Carleton College	1
Carnegie Inst. of Technology	6
Case School of Applied Science	2
Catholic University of America	7
Centre College	2
Charleston, College of	1
Chicago, University of	8
Chillicothe Missouri State Teachers College	1
Chowan College	1
Cincinnati, University of	4
Citadel, The	6
Clark College	1
Clarkson College of Technology	3
Coe College	3
Colby College	1
College of City of New York	16
Colorado Agricultural College	1
Colorado College	3

Colorado School of Mines	2
Colorado, University of	6
Columbia College for Women	1
Columbia University	33
Connecticut College	3
Converse College	1
Cornell University	14
Dakota Wesleyan University	1
Dartmouth College	7
Davidson College	3
Defiance College	1
Delaware, University of	5
Denver, University of	3
Dickinson College	4
Drake University	1
Drexel University	1
Drury College	2
Duke University	1
Earlham College	1
Elizabeth College	2
Emory University	2
Emory and Henry College	1
Emporia, College of	1
Erskine College	1
Florida, University of	1
Fordham University	1
Franklin and Marshall College	4
Furman University	1
Gallaudet College	2
George Peabody College	1
Georgetown College	1
Georgetown University	17
George Washington University	545
Georgia Inst. of Technology	1
Georgia State College	1
Georgia, University of	1
Goshen College	1
Goucher College	11
Greenville College	1
Grinnell College	1
Grove City College	2
Guilford College	1
Gustavus Adolphus College	3
Hamilton College	2
Hamline University	1
Harrisonburg State Teachers College	2
Harvard University	13
Haverford College	1
Heidelberg University	3
Hendrix College	2
Hiram College	2
Hollins College	1
Holy Cross College	1
Hood College	1
Hope College	4
Howard College	2
Howard Payne College	2
Idaho, University of	6
Illinois, University of	8
Indiana, University of	7
Iowa State College of A. and M.	6
Iowa State Teachers College	1
Iowa, University of	8
Johns Hopkins University	9
Kalamazoo College	1
Kansas State Agricultural College	4
Kansas, University of	10
Kentucky College for Women	1
Kentucky, University of	1
Kentucky Wesleyan College	1
LaFayette College	1
Lehigh University	6
Leland Stanford University	2
Lowell Textile Institute	1
Maine, University of	6
Manchester College	1
Marietta College	2
Marshall College	2
Maryland, University of	23
Maryville College	2
Massachusetts Agricultural College	6
Massachusetts Institute of Technology	16
McKendree College	1
Mercer University	5
Miami University	3
Michigan Agricultural College	1
Michigan College of Mining and Technology	2
Michigan State College	2
Michigan, University of	12
Millsaps College	2
Minneapolis, University of	1
Minnesota, University of	11
Mississippi College	1
Mississippi State College for Women	2
Mississippi, University of	4
Missouri School of Mines	3
Missouri State Teachers College	1
Missouri University	2
Montana State College	1
Montana, University of	4
Mount Holyoke College	2
Muskingum College	1
Nebraska, University of	7
Nebraska Wesleyan University	1

Nevada, University of	2
New Brunswick, University of	1
New Hampshire, University of	1
New Mexico, University of	2
New York University	8
North Carolina College for Women	2
North Carolina State College of Agriculture and Engineering	1
North Carolina, University of	8
North Dakota, University of	1
Northland College	1
North Texas Normal College	3
Northwestern University	4
Norwich University	2
Notre Dame, University of	1
Oberlin College	4
Oglethorpe University	1
Ohio Northern University	1
Ohio State University	12
Ohio University	1
Ohio Wesleyan University	5
Oklahoma Agricultural and Mechanical College	6
Oklahoma, University of	6
Orgeon State Agricultural College	2
Oregon State College	1
Oregon, University of	2
Oxford University (England)	1
Pacific, College of	1
Park College	1
Peabody College	1
Pennsylvania State Forest School	1
Pennsylvania State College	9
Pennsylvania, University of	12
Philadelphia College of Pharmacy	2
Pittsburgh, University of	9
Pomona College	1
Presbyterian College of South Carolina	2
Princeton Seminary	1
Princeton University	10
Purdue University	2
Radcliffe College	3
Randolph-Macon Women's College	4
Rensselaer Polytechnic Inst.	6
Richmond, University of	4
Ripon College	1
Roanoke College	3
Rochester, University of	4
Rose Polytechnic Institute	2
Rutgers College	1
Salem College	1
Scarrett College	1
Shepherd College	3
Simmons College	1
Sioux Falls College	2
Smith College	2
South, University of the	6
South Dakota State College	2
South Dakota, University of	2
Southern California, University of	1
Southwestern University	1
Southern Methodist University	1
State Normal School, Salem, Mass.	2
State Teachers College, Fredericksburg, Va.	1
St. Charles Seminary	1
St. Francis Xavier College	4
St. John's College	1
St. John's Seminary	1
St. Louis University	1
St. Olaf's College	2
Stevens Inst. of Technology	4
Susquehanna University	3
Swarthmore College	8
Syracuse University	1
Taylor University	2
Tennessee, University of	1
Texas Christian University	8
Texas, University of	8
Trinity College	1
Tri-State College of Indiana	3
Tufts College	19
U. S. Naval Academy	7
Utah, Agricultural College of	16
Utah, University of	3
Valparaiso University	2
Vanderbilt University	1
Vassar College	3
Vermont, University of	1
Villanova College	1
Virginia Intermont College	3
Virginia Military Institute	6
Virginia Polytechnic Institute	7
Virginia, University of	5
Wabash College	1
Wales, University of	2
Washington College	2
Washington and Jefferson College	6
Washington and Lee University	

Washington Missionary College	2
Washington State College	1
Washington University	2
Washington, University of	3
Waynesburg College	1
Wellesley College	7
Wesleyan University	2
Wesley College	2
Western College for Women	2
Western Maryland College	6
Western Ontario, University of	2
Western Reserve University	2
Westhampton College	1
West Kentucky State Teachers College	1
West Texas State Teachers College	2
West Virginia, University of	10
West Virginia Wesleyan College	4
Whitman College	1
William and Mary, College of	6
Williams College	1
Winthrop College	4
Wisconsin, University of	7
Wofford College	2
Wyoming, University of	3
Yale University	10
Yankton College	1
Total Number of Colleges	280
Total Number of Students	1,475

GENERAL SUMMARY

TEACHING STAFF

Professors	90
Professorial Lecturers	23
Associate Professors	20
Clinical Professors	16
Associates in Medicine	12
Clinical Associates	18
Assistant Professors	21
Lecturers	40
Instructors	28
Clinical Instructors	88
Associates	22
Fellows	7
Assistants	3
	388

STUDENTS REGISTERED 1928-1929

Columbian College	2,910
The Graduate School of Letters and Sciences	389
The School of Medicine	289
The Law School	766
The School of Engineering	437
The School of Pharmacy	61
The School of Education	748
The School of Government	80
The Division of Library Science	126
The Division of Fine Arts	100
The School of Nursing	55
The Summer Sessions, 1928	1,416
	7,377

DEGREES CONFERRED 1928-1929

Bachelor of Arts	215
Bachelor of Arts and Bachelor's Diploma in Education	42
Bachelor of Arts in Education	11
Bachelor of Laws	126
Bachelor of Science in Chemistry	4
Bachelor of Science in Chemical Engineering	4

Bachelor of Science in Civil Engineering	10
Bachelor of Science in Electrical Engineering	6
Bachelor of Science in Mechanical Engineering	3
Bachelor of Science in Pharmacy	1
Graduate in Pharmacy	8
Certificate in Nursing	9
Master of Arts	48
Master of Arts in Education	2
Master of Laws	7
Master of Patent Law	1
Master of Science in Chemistry	13
Master of Science in Engineering	2
Doctor of Philosophy	3
Doctor of Medicine	59
Doctor of Science	1
Doctor of Laws	3
	578

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THE GEORGE WASHINGTON UNIVERSITY

BULLETIN

SCHOOL OF MEDICINE

ANNUAL ANNOUNCEMENT

1929-1930

VOL. XXVIII No. 3

WASHINGTON, D. C.

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BY THE UNIVERSITY

THE

GEORGE

WASHINGTON

UNIVERSITY

BULLETIN

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CALENDAR OF THE SCHOOL OF MEDICINE
1929-1930

1929

September 16 to 21	*Monday to Saturday, both dates inclusive*	Pre-session examination.
September 25	*Wednesday*	Academic year begins.
September 28	*Saturday*	Registration period ends.
November 28 to 30	*Thursday to Saturday, both dates inclusive*	Thanksgiving recess.
December 21	*Saturday*	First trimester ends.
December 23 to January 1, 1930	*Monday to Wednesday, both dates inclusive*	Christmas recess.

1930

January 2	*Thursday*	Second trimester begins.
February 22	*Saturday*	Winter Convocation. Holiday.
March 13	*Thursday*	Second trimester ends.
March 14	*Friday*	Third trimester begins.
April 14 to 19	*Monday to Saturday, both dates inclusive*	Easter recess.
May 20 to 22	*Tuesday to Thursday, both dates inclusive*	Final examination period.
May 30	*Friday*	Decoration Day. Holiday.
June 2	*Monday*	Stated meeting of the Faculty.
June 8	*Sunday*	Baccalaureate Sermon.
June 11	*Wednesday*	Commencement.

THE BOARD OF TRUSTEES

The PRESIDENT of the University, *ex-officio*, and the following persons by election:

1930

NORVAL LANDON BURCHELL, A.M., LL.M., 817-819 14th Street.
KARL WILLIAM CORBY, B.S., 1001 15th Street.
*HARRY CASSELL DAVIS, A.M., L.H.D., Wakefield Hall.
*MRS. JOSHUA EVANS, JR., A.B., 3405 Lowell Street.
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GILBERT GROSVENOR, A.M., LL.D., Litt.D., National Geographic Society.
THEODORE WILLIAMS NOYES, A.M., LL.M., LL.D., The Evening Star.
JOHN BARTON PAYNE, LL.D., 1601 Eye Street.
CHARLES HARRIES WOODHULL, 1767 Massachusetts Avenue.

1931

JULIUS GARFINCKEL, 1226 F Street.
CHARLES CARROLL GLOVER, JR., A.M., LL.B., 1508 H Street.
JOHN HENRY COWLES, 1733 16th Street.
JOHN HAYS HAMMOND, A.M., E.D., LL.D., 2221 Kalorama Road.
*WILLIAM BRUCE KING, A.M., LL.M.,, 728 17th Street.
*STEPHEN ELLIOTT KRAMER, B.S., A.M., Franklin Administration Building.
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1932

*AVERY DELANO ANDREWS, LL.B., 65 Broadway, New York City.
CLARENCE AIKIN ASPINWALL, 1140 15th Street.
DOUGLAS PUTNAM BIRNIE, D.D., 2029 Connecticut Avenue.
*JOHN JOY EDSON, LL.B., 915 F Street.
WILLIAM JAMES FLATHER, Riggs National Bank.
ABRAM LISNER, A.M., 1723 Massachusetts Avenue.
CHARLES RIBORG MANN, Ph.D., Sc.D., 26 Jackson Place.
HENRY BENNING SPENCER, A.B., Munsey Building.
WALTER RUPERT TUCKERMAN, A.B., LL.B., Bethesda, Maryland.

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JOHN BELL LARNER
Vice-Chairman of the Board of Trustees
CHARLES CARROLL GLOVER, JR.
Secretary of the Board of Trustees
HARRY CASSELL DAVIS

*Nominated by the Alumni.

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Howard Lincoln Hodgkins, Ph.D., Sc.D., *Dean of the University.*
William Allen Wilbur, A.M., Litt.D., *Provost of the University.*
Charles Wendell Holmes, *Comptroller of the University.*
Harold Griffith Sutton, M.S., *Registrar of the University.*
Alfred Francis William Schmidt, A.M., *Librarian of the University.*

THE SCHOOL OF MEDICINE

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Oscar Benwood Hunter, A.M., M.D., *Assistant Dean.*
Buckner Magill Randolph, M.D., *Director of Clinics.*
Frank Adelbert Hornaday, M.S., M.D., *Evaluator of Credentials.*
James Holmes Defandorf, A.M., *Assistant Evaluator of Credentials.*
Anna Elizabeth Sellner, *Recorder for Medical Registration.*

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Oscar Benwood Hunter — William Johnston Mallory
Huron Willis Lawson — Buckner Magill Randolph

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OSCAR BENWOOD HUNTER, A.M., M.D., *Assistant Dean of The School of Medicine, Professor of Pathology and Bacteriology.*	31 East Oxford Street, Chevy Chase, Md.

EMERITUS PROFESSORS

DANIEL KERFOOT SHUTE, A.M., M.D., *Clinical Professor of Ophthalmology.*	1727 DeSales Street.
HENRY CRECY YARROW, M.D., *Professor of Dermatology.*	814 Seventeenth Street.
WILLIAM KENNEDY BUTLER, A.M., M.D., *Professor of Ophthalmology.*	1207 M Street.
STERLING RUFFIN, M.D., *Professor of Medicine.*	Connecticut Apartments.
CHARLES WILLIAMSON RICHARDSON, M.D., Sc.D., *Professor of Laryngology and Otology.*	1337 Connecticut Avenue.

ACTIVE LIST

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FRANCIS RANDALL HAGNER, M.D., *Professor of Urology.*	The Farragut.
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INTRODUCTORY STATEMENT

HISTORICAL STATEMENT

The first course of lectures in The School of Medicine of The George Washington University began in March, 1825, which makes it the eleventh Medical School established in the United States. The School was first known as the National Medical College and subsequently as the Department of Medicine of the Columbian University. In 1904 the Columbian University became The George Washington University.

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the organization of The School of Medicine.

EDUCATIONAL POSITION

The School of Medicine of the University is a member of the Association of American Medical Colleges, and is one of the medical colleges which has been designated continuously as "Class A" by the American Medical Association. The degrees of The School of Medicine are recognized by all state examining boards. It is one of the medical schools selected by the Secretary of War to maintain a Reserve Officers' Training Corps Unit, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

COURSES OFFERED

1. Four-year course leading to the degree of Doctor of Medicine (M.D.).
2. Combined seven-year course leading to the degrees of Bachelor of Arts (A.B.) and Doctor of Medicine (M.D.).

COMBINED SEVEN-YEAR COURSE

Registration. Candidates register in Columbian College for Pre-Medical Course.

Admission. Applicants must meet pre-medical college requirements outlined on page 30.

Course of Study. Candidates must complete at least ninety semester hours of prescribed college work, not including Physical Education (at least twenty-four semester hours and one year of residence must be completed in Columbian College) and the first year of the medical course. On satisfactory completion of the work outlined above the student will be recommended for the degree of Bachelor of Arts. Upon completion of the fourth year in the medical course the student becomes eligible for the degree of Doctor of Medicine. For further information regarding courses in Columbian College, see the general University catalogue.

THE DEGREE

The degree of Doctor of Medicine given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate hospital work in those states which require hospital internship, will admit a graduate to all state examinations.

LOCATION AND ITS ADVANTAGES

Buildings. The buildings which house The School of Medicine, the University Hospital and the University Dispensary are situated in the heart of the city. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy and clinical chemistry afforded by the Hospital and Dispensary are directly used in the School laboratories.

The city of Washington with more than a half million inhabitants, provides abundant clinical material to the hospitals, which have an aggregate of over six thousand beds. In these hospitals, as well as in the University Hospital, clinical instruction is given by members of the faculty.

The Library of the Surgeon General's office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library as well as The Library of Congress, The Public Library, and the many excellent libraries of the various Government offices are open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met with in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequalled by any other museum in this country. The Museum of Hygiene, The National Museum, The Smithsonian Institution, The Botanic Gardens and The Department of Agriculture, all afford opportunities for study in medicine and its collateral sciences.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its mild climate, its beauty, and as it is the seat of the National Government, its broad interests, make it an ideal place for a medical student to pass his four years of study.

EQUIPMENT

Medical School Building. The building housing The School of Medicine is a modern, five-story structure with lecture and class rooms, laboratories, and students' rooms, equipped with modern improvements.

Laboratories. The major laboratories are five in number—for anatomy, bio-chemistry and clinical chemistry, histology and embryology, physiology and pharmacology, and bacteriology and pathology. They are fully equipped to enable students to pursue adequately the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

Medical Library. The Library is open for study and reading from 9 a. m. to 4 p. m. A librarian is in charge. It contains a selected working collection of 2,500 volumes, and provision is made to add to it the important new medical works. The standard medical periodicals are regularly received.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers.

CLINICAL FACILITIES

The University Hospital and the University Dispensary: The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of The School of Medicine, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The faculty believes that clinical teaching should be as thoroughly systematized as is the teaching in the laboratories. To this end, all clinics are under the supervision of a Director of Clinics. This secures the highest possible utilization of available clinical material for teaching purposes, a proper supervision of clinicians and students, brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary to diagnosis and treatment, to properly interpret the conditions occurring during the progress of cases, and to write up records correctly.

Clinical and clinico-pathological conferences are held in which the history of cases, the physical, the laboratory and the post-mortem pathology when available, are presented and correlated. The Director assigns the patients to the different clinics, supervises the records and the attendance and instruction of students. Students are assigned in rotation by sections from the third year class for clinical instruction in the Dispensary. The staff is composed of members of the Faculty of Medicine.

Gallinger Municipal Hospital (Municipal Hospital of the District of Columbia): Clinical instruction is open in all branches of medicine.

A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District, whereby one-half the patients—upwards of 1,000 in number—are assigned for treatment and clinical teaching to members of the faculty of this School, nominated by this University.

Casualty Hospital: Instruction in emergency surgery and orthopedics.

Children's Hospital: Clinical instruction in pediatrics and general and orthopedic surgery.

Columbia Hospital for Women: Clinical instruction in obstetrics and gynecology.

Emergency Hospital and Central Dispensary: Clinical instruction in medicine, surgery, particularly in emergency surgery, fractures and dislocations, dermatology and orthopedics.

Garfield Memorial Hospital: Clinical instruction in medicine, including contagious diseases, surgery, gynecology and obstetrics.

Providence Hospital: Clinical instruction in medicine and surgery.

St. Elizabeth's Hospital: This hospital, with 4,000 beds, is maintained by the United States Government.

Clinical instruction in mental and nervous diseases, medicine, surgery, in post-mortem work and gross pathology.

The psychiatric clinic is one of the largest in the country.

The Episcopal Eye, Ear, Nose, and Throat Hospital: Clinical instruction in ophthalmology, otology, laryngology and rhinology.

Tuberculosis Hospital: Clinical instruction in tuberculosis, in all its phases, both medical and surgical.

Washington Asylum Hospital: Clinical instruction in medicine, particularly in chronic conditions.

MEDICAL UNIT—RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the Unit.

The object of the Reserve Officers' Training Corps is to give to students special training which will fit them to become, upon graduation, officers in the Medical Section of the Reserve Corps of the Army if they so desire. The work of this Department is both military and professional and a great portion of it will be found applicable to civil practice, so that a graduate who never elects active duty, will find value in the time given to the subjects covered.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced. The basic course is given in the first and second years, and the advanced course in the third and fourth years. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately $200.00, they are obligated to complete the course and to attend one summer camp of instruc-

tion for six weeks for which the students will receive travel allowances, pay at the rate of $21.00 per month and will be provided with all camp equipment, uniforms and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are given preference in appointment for internship in Army General Hospitals where they receive pay and allowance of a First Lieutenant of the Medical Corps.

ADMISSION REQUIREMENTS

LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the states, and candidates are advised that if they meet the pre-medical and other requirements of this school they will be able to comply with the legal demands of all State Examining Boards in the United States.

MORAL REQUIREMENTS

All candidates must be of good moral character, and present evidence that their college work has been of such standard as to give promise of work of high quality in the medical course.

EDUCATIONAL REQUIREMENTS

The minimum requirements for admission are 15 units of work from an accredited secondary school, and two years of college work, totaling at least 60 semester hours, from an accredited college of arts and sciences.

SECONDARY SCHOOL REQUIREMENTS

Of the 15 secondary school units* required, 3 must be in English, 2† in foreign language (ancient or modern), 1 in algebra, 1 in geometry, 1 in history, 1 in science (botany, chemistry, physics or zoology).

a. Eleven of the units offered must be in English, foreign language, mathematics, sciences and history.

b. No candidate will be accepted with any condition in secondary school work.

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* A unit is the credit value of at least 36 weeks' work of 4 or 5 recitation periods per week each period to be not less than 45 minutes.

† Both of the required units of foreign language must be of the same language. Elementary Latin is desirable.

PRE-MEDICAL COLLEGE REQUIREMENTS

A. *Chemistry:* 12 semester hours‡ as follows:
   (a) 8 semester hours of general inorganic chemistry, of which at least 4 semester hours are laboratory work. Qualitative analysis may be counted as general inorganic chemistry.
   (b) 4 semester hours of organic chemistry, of which 2 semester hours are laboratory work.

B. *Physics:* 8 semester hours, of which at least 2 semester hours are laboratory work. It is recommended that this course be preceded by one in trigonometry.

C. *Biology:* 8 semester hours, of which at least 4 semester hours are laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by a course of 4 semester hours each in zoology and botany, but not by botany alone.

D. *English Composition and Literature:* 6 semester hours. The usual introductory college course, or its equivalent. The student should develop facility in English expression.

E. *Modern Foreign Language:* A reading knowledge, preferably of French or German.

F. *Electives:* It is recommended that the remaining semester hours required include:
   (a) comparative vertebrate anatomy.
   (b) qualitative and quantitative chemistry.
   (c) social science and psychology.

Conditions: No student will be accepted with any condition in college work.

ADVANCED STANDING

Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an arts course in other accredited colleges or universities may be admitted to advanced standing in any of the pre-medical courses offered by the University upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

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‡ A semester hour is one hour of lecture or recitation, or at least 2 hours of laboratory work per week for one half-year or 16 weeks. If laboratory periods are longer than 2 hours in length their value in semester hours will be no more than that assigned by the college where the work is taken.

APPLICATION FOR ADMISSION

FOUR YEAR MEDICAL COURSE

1. While no standard form for the statement of pre-medical credentials is required, certificates submitted must give complete information as to the number of didactic and laboratory hours taken in each subject, the year in which the subject was pursued, and the grade received in each. Forms for secondary school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them direct to the Dean, The School of Medicine, The George Washington University, 1335 H Street N.W., Washington, D. C.

Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

Each form must cover only work done at the school or college which fills out the form.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year exceeds its capacity, those who wish to insure admission are urged to secure from the schools and colleges attended completely compiled pre-medical credentials and forward them for evaluation as long a time as possible before the opening of The School of Medicine in September.

FEES

The following fees are prescribed by statute:

1. University Fee, each semester or any part thereof $6.00
2. Tuition:

   For students entering in September, 1928 and 1929, per annum 400.00

   For students entering prior to September, 1928, per annum 366.00
3. Material Fee, 1st, 2d, and 3d years, per annum 10.00
4. Breakage Deposit, unused part returnable, per annum 10.00
5. Graduation Fee 15.00
6. Examination Fees:

   Special examination due to absence from regular examination, for each subject 10.00

   September, pre-session examinations, for each subject 5.00

PAYMENT

All fees are payable at the office of the Assistant to the Comptroller at The Medical Building, 1335 H Street, N.W.

On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified applicants who remit the University Fee, the Material and Breakage deposits, and two months' tuition—a total of $126.00. Should unusual cir-

cumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of $25.00 for registration, transfer, etc., will be returned up to one month before the opening of the session, or thereafter, provided the place can be filled.

After the initial payment for two months to secure registration in the freshman class, tuition may be paid in monthly installments in advance.

Fees due at registration must be paid within three days after the opening of the session.

There is no charge for the use of microscopes, but students will be required to pay for injury to apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Students who are allowed to take the four year course in five years will be required to pay full tuition for each of the five years.

LOANS AND SCHOLARSHIPS

The following loans and scholarships are available to students in The School of Medicine:

Loans. Daughters of the American Revolution Loan Fund, Harmon Foundation Loan Fund, Henry Strong Educational Foundation Loan Fund, University Student Loan Fund.

Scholarship. The John Hitz Metzerott Scholarship.

For further particulars of application and award see the general University catalogue.

PRIZES

The following prizes are awarded at Commencement to members of the graduating class:

The Ordronaux Endowment Prize of $100.00 is awarded to the member of the graduating class who has the highest scholastic standing. Awarded in 1927 to Edith M. Petrie.

A prize by the Surgeon General of the Army to the student of the Reserve Officers' Training Corps who has maintained the highest standing in the Unit for the entire four years.

TEXTBOOKS

The minimum cost of textbooks and student equipment (glass slides, clinical thermometers, stethoscope, hemocytometer, etc.) that are necessary for each student is approximately as follows:

First year	$50.00
Second year	87.00
Third year	45.00
Fourth year	30.00
Total	$212.00

BOARD AND ROOM

Registers of rooms which have been inspected and approved are kept in the office of the Secretary for Women's Activities, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

All women students under twenty-three years of age must have their residence approved by the Secretary for Women's Activities, unless they are living with family or relatives. Registration is not complete until such approval is given.

HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this school in the following hospitals of the District: Casualty Hospital, Children's Hospital, Columbia Hospital for Women, Emergency Hospital, Episcopal Eye, Ear and Throat Hospital, Garfield Memorial Hospital, Providence Hospital, Saint Elizabeth's Hospital, Sibley Hospital, Tuberculosis Hospital, and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia, should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the Journal of the American Medical Association and a copy of the list may be consulted in the office of the Dean.

BOARD OF MEDICAL EXAMINERS OF THE DISTRICT OF COLUMBIA

Graduates who wish to take the examination of the Board of Medical Examiners of the District of Columbia or desire to use the District license for reciprocity with other states, should apply to the Secretary of the District Medical Examining Board, 1801 I Street N.W., for information.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical School Society was established in 1905. All alumni and members of the faculty are eligible for membership on election.

Meetings of the Society are held in the Medical Building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this Society, that they may have the opportunity of hearing the medical papers presented, and become familiar with medical society procedures.

REGULATIONS

REGISTRATION AND ADMISSION TO CLASSES

Registration in The School of Medicine is for a period of one year at a time. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever in the interest of the student or the School the Advisory Committee deems it advisable to do so.

Time. All matriculations and registrations must be completed within three days after the opening of the session.

Admission to Classes. Freshman students are admitted to classes on presentation of the matriculation ticket issued when all required fees have been paid. Second, third and fourth year students are admitted on presentation of their receipt for the payment of fees.

ABSENCE

Absence consists in being away from a class during the period, entering after class work has begun, or leaving before it is dismissed.

No absences are allowed except by permission. Excuse for absence is made either in person or in writing to the Dean. In case of illness, a physician's certificate is required.

EXAMINATIONS

Examinations may be written, oral or practical and may be held at the completion of each course or at the end of the academic year.

Absence from Examinations. A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination except by special permission of the Advisory Committee. For special examinations a fee of ten dollars will be charged for each subject.

GRADES

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Advisory Committee of the Faculty.

Failure. A student who has failed in any subject will not be advanced unless his case is especially meritorious and then only by the authority of the Advisory Committee. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September pre-term examinations.

A student allowed to repeat a year or take the September examinations will be required to take such examinations and do work in such subjects as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

A student who fails of graduation may, if approved by the Advisory Committee, be reexamined for graduation in the September examinations.

CHANGES AND WITHDRAWALS

Changes in Courses. No change and no withdrawal from a course is allowed except upon authority of the Advisory Committee.

Withdrawal. For withdrawal written request must be approved by the Dean and no permission to withdraw, and no certificate of work done, will be given a student who does not have a clear financial record.

GRADUATION REQUIREMENTS

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and be free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student, completed all required courses and passed all prescribed examinations.

With Distinction. Candidates who have attained an average of ninety per cent or more in their work and examinations may be recommended for graduation "with distinction."

LIMITATION OF REGULATIONS

Reservation of Right to Change Rules. The Faculty reserves the right to modify or change requirements, courses, rules and fees in The School of Medicine.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments:

(1) Anatomy, including embryology and histology.

(2) Bacteriology and Pathology, including clinical microscopy, preventive medicine and hygiene.

(3) Biochemistry, including clinical chemistry.

(4) Medicine, including allergy, dermatology, neurology, pediatrics, tropical medicine, physical diagnosis, psychiatry, medical jurisprudence, history and syphilis.

(5) Obstetrics and Gynecology.

(6) Pharmacology.

(7) Physiology.

(8) Surgery, including urology, laryngology, military surgery, opthalmology, orthopedics, otology, and roentgenology.

(9) Military Science and Tactics.

Clinics. Courses of clinical instruction are included in the announcements of the Departments of Medicine, Surgery and Obstetrics and Gynecology. The Chief of Clinics prepares schedules of clinics and student section assignments to the various hospitals and dispensaries. Under the guidance of specialists each student administers anesthetics, assists at operations and confinements and studies the care and treatment of cases admitted to the medical wards.

THE PLAN OF INSTRUCTION

Each year of the medical course is divided into the fall (12 weeks), winter (10 weeks), and spring (11 weeks) trimesters. The course for the degree of M.D. must begin with the fall trimester. Admission requirements are given elsewhere but students must have constantly before them the necessity of thorough preparation as a basis for medical instruction.

The different branches of medical instruction are arranged in a specific order. There is a coordination in the work of the several departments that enables the student to concentrate his attention upon the subject material so as to give him not only a single subject, but also the allied subjects in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, clinical teaching, with recitations and lectures to clarify the many problems presented. Under such a system of instruction there can be no sharp discrimination in teaching of laboratory and clinical courses. The clinical material in the University Hospital and Dispensary is utilized to the fullest extent both for clinical instruction and laboratory work. Additional clinics are given in other hospitals in the city to which members of the Faculty of The School of Medicine are attached. The one policy of the School is to give a comprehensive, well-grounded, well-proportioned course that will adequately instruct students in the fundamentals of medicine.

FIRST YEAR

During the first year the time of the students is devoted to anatomy, histology and embryology (which is carried on by demonstrations to sections and by work in the dissecting room), physiology and chemistry. The work in general anatomy is designed to cover the entire subject in such a manner as to afford the student a practical working basis for the later studies in medicine and is so correlated and taught as to emphasize the value of relation and function as well as that of structure. Instruction in physiology begins in the first year and is continued throughout the first trimester of the second year. Physiology is presented as far as practicable as an exact science although the clinical aspects of the subject are almost constantly in the foreground. Physical and physiological chemistry are taught by lectures, demonstrations, recitations and practical work in the laboratory. The work in physical chemistry is completed in the first year. Instruction is given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession of medicine.

SECOND YEAR

During the second year the work in anatomy, physiology, pathology, bacteriology, immunology and pharmacology is completed. Courses in clinical chemistry, preventive medicine and hygiene are given. The work in bacteriology and immunology is taught by lectures, laboratory work and conferences. Emphasis is laid upon those parts of the subject matter which are directly pertinent to the pathology of infectious diseases, the diagnosis of these diseases and their treatment. The medical problems of bacteriology are illustrated by means of materials obtained from the hospitals. Immunological and serological technique are presented to the student by means of group instruction. The preventive aspects of the physician's work in relation to infectious disease are considered.

THIRD YEAR

During the third year there are lectures and conferences in medicine, surgery, obstetrics, gynecology, pediatrics, therapeutics, clinical microscopy, roentgenology and medical jurisprudence. There are clincial lectures, demonstrations, diagnostic clinics, operative clinics and follow-up clinics in medicine, surgery, urology, obstetrics, gynecology, neurology, psychiatry, pediatrics, ophthalmology, dermatology, syphilology, laryngology, otology, and orthopedic surgery. The class is organized for instruction in physical and medical diagnosis and for practical work in the dispensaries and hospitals. There is special drill in history taking and the practical technique of physical diagnosis.

FOURTH YEAR

During the fourth year the class is divided into small sections and required to attend ward clinics in The University Hospital, Gallinger Municipal Hospital, The Garfield Memorial Hospital, The Children's Hospital, Providence Hospital, St. Elizabeth's Hospiital, The Tuberculosis Hospital. Few lectures are given. The work is almost entirely practical and bedside instruction. In the diagnostic clinics the students have the opportunity of applying the various methods of precision, the princples of which they have already studied, and are expected to become familiar with case history; make diagnoses; give prognoses; advise treatments and watch the progress of cases. A course is given in Medical History and General and Medical Ethics.

COURSES OF INSTRUCTION

The courses of study will be found listed in alphabetical order beginning on page 43.

HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials the University attempts to keep informed as to all cases of sickness among its students, and sees that no one suffers from inattention, or the lack of proper care and treatment.

Medical privileges include: Three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation or X-ray examination; hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the regular school term, for 1928-1929, September 19 to June 12, both inclusive; necessity to be determined by the Director of the Health Administration. Duration of hospitalization (maximum two weeks) period is also to be determined by the Director of Health Administration.

(This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of the University registration fee.)

Students are allowed, if they so desire, to engage physician and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules:

1. The Director of Health Administration is empowered to limit or deny the medical benefits where in his discretion a student has by his misconduct or breach of the rules of the University made himself ineligible.

2. The Director of Health Administration has authority to determine the necessity and length of hospitalization.
3. Students who have severed their connection with the University are ineligible for medical benefits.
4. Students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester.

STUDENT ACTIVITIES

Privileges. The following student activity privileges are included in the payment of the University fee charged all students:

1. Gymnasium privileges, including participation in intrauniversity athletic sports and the use of the University tennis courts.
2. The University Hatchet, the official student newspaper issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

Eligibility. No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the school or division in which he is registered may participate in student activities or represent the University on its athletic teams or other student activity.

No student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a Varsity athletic team in an intercollegiate contest.

OTHER GENERAL INFORMATION AND REGULATIONS

Students in The School of Medicine are subject to the general University regulations as stated in the University catalogue.

For catalogues, application blanks and further information, address:

The Dean,
The School of Medicine,
The George Washington University,
1335 H Street N.W., Washington, D. C.

SCHEDULE OF DEPARTMENTS, COURSES AND ALLOTED HOURS[1]

DEPARTMENTS AND COURSES	HOURS											
	Week-hours per Trimester			1st Year		2nd Year		3rd Year		4th Year		Total Course Hours	Total Dept. Hours
	1st (12)	2nd (10)	3rd (11)	D	L	D	L	D	L	D	L		
ANATOMY													860
Histology	9	9		30	168							198	
Embryology			9	30	60							90	
Gross	15	15	15	60	420							480	
Neural	6					12	60					72	
Applied		2				20						20	
BACTERIOLOGY AND PATHOLOGY													599
Bacteriology	12					32	112					144	
Pathology		12	19			64	256					320	
Autopsies [4]							72					72	
Prevent. Med. and Hygiene		3	3			12	51					63	
BIOCHEMISTRY	8	8		80	96							176	176
MEDICINE													1121
Clinical Chemistry			3			21	42					63	
Clinical Microscopy	3	3 (24 weeks)						24	48			72	
Clin. Path. Confer	1	1	1								30	30	
Clinical Physiology	2 (Sections: 6 weeks)										12	12	
Dermatology [2]	1	(16 weeks)						16				16	
Ethics	(16 weeks)		1							16		16	
General Medicine [2]	3	3	3					99				99	
Medical Clinics									180		345	525	
Medical Jurisprudence	1							12				12	
Neurology [2]	1	1	1							30		30	
Pediatrics [2]	2							24				24	
Physical Diagnosis	4	4	4					24	108			132	
Psychiatry [2]	(12 weeks)	1								12		12	
Therapeutics	2	2	2					66				66	
Tropical Medicine	1							12				12	

OBSTETRICS AND GYNECOLOGY														251
Obstetrics														
Lectures	1 and 2	1 and 2	1 and 2						66		30		96	
Lab. Demonstrations	2 (sections, 4 weeks)									8			8	
Clinics	2 (sections, 6 weeks)									8		12	12	
												50	58	
Gynecology														
Lectures	1	1	2						45				45	
Clinics												32	32	
PHARMACOLOGY	5	9	2			76	96						172	172
PHYSIOLOGY	3 and 12	3	5	121		24	120						265	265
SURGERY														550
Anesthesia [2]	1								12				12	
General Surgery [3]	2 and 2	2 and 2	2 and 2						66		60		126	
Minor Surgery		2	2						21				21	
Neuro-surgery [2]	(14 weeks)	1									14		14	
Ophthalmology [2]	1 (16 weeks)										16		16	
Orthopedics [2]	1	1	1								30		30	
Oto-laryngology [2]	1 (16 weeks)										16		16	
Roentgenology [2]		1	1						21				21	
Surgical Clinics										72		192	264	
Urology and Syphilis [2]	1	1	1								30		30	
MILITARY SCIENCE AND TACTICS (Elective) [4] 1 hour weekly throughout each school year				321	744	261	809	508	424	254	673			
Totals				1065		1070		932		927		3994		3994

[1] School year is divided into three terms:
First Trimester (12 weeks)
Second Trimester (10 weeks)
Third Trimester (11 weeks) (senior year 8 weeks)

[2] Clinical hours included in hour schedule of "Medical Clinics"

[3] Clinical hours included in hour schedule of "Surgical Clinics"

[4] Hours *not* included in Medical Course total

[5] Autopsy instruction is given for the most part during the 2nd and 3rd trimesters of second year; third, and fourth year students attend as many autopsies as their schedules permit.

ANNOUNCEMENT OF COURSES

Note:—First year courses are numbered 101 to 150; second year courses, 151 to 200; third year courses, 201 to 250 and fourth year courses, 251 to 300. The first number in parentheses indicates the total number of hours in the course; the second number, the total number of lecture and quizz hours.

ANATOMY

George Bain Jenkins, M.D., *Professor of Anatomy, Executive Officer.*
William Binford King, A.B., M.D., *Associate Professor of Anatomy.*
Othmar Solnitzky, Ph.D., M.D., *Associate Professor of Anatomy.*
Vincent Clarence Gould, M.D., *Instructor in Anatomy.*

Total number of hours required in Anatomy for the M.D. degree—860.

111–112–113. *Gross Anatomy* (480-60) Jenkins, King
The work in this course consists of instruction in osteology followed by the careful dissection and study of the entire body, supplemented by the use of models and prepared specimens. 15 hours per week in the first, second and third trimesters of the first year.

121–122–123. *Histology and Embryology* (288-60)
Jenkins, Solnitzky and King
The work in histology includes the histogenesis and microscopic structure of the tissues and organs of the human body. Special emphasis is laid on the relation of structure to function. 9 hours per week in the first and second trimesters of the first year. The work in embryology embraces a study of normal development, using chick, pig and human material. Malformations and developmental errors are broadly considered. Stained sections, prepared embryos and models are used. 9 hours per week in the third trimester of the first year.

161. *Neuro-anatomy* (72–12) Jenkins and Solnitzky
A laboratory course on the gross and microscopic study of the human central nervous system. Special emphasis is laid on the functional significance of parts. 6 hours per week in the first trimester of the second year.

172. *Applied Anatomy* (20-20) Jenkins and King
This is a recitation course in which the important facts of regional and topographical anatomy are given in their application to the practice of medicine and surgery. 2 hours per week in the second trimester of the second year.

BACTERIOLOGY AND PATHOLOGY*

Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology, Executive Officer.*
Tomás Cajigas, M.S., M.D., *Professor of Pathology.*
John Harper, M.D., *Professor of Preventive Medicine and Hygiene.*
Clift Palscrove Berger, A.M., *Instructor in Bacteriology.*
Ruth Jackson, A.B., *Instructor in Bacteriology.*
Harry Arnold Hull McNitt, M.D., *Instructor in Pathology.*

Total number of hours required in Bacteriology and Pathology for the M.D. degree—599.

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221. *Bacteriology* (144-32) Hunter, Cajigas, Berger, Jackson
Lectures and quizzes in the field of bacteriology, including immunology in its application to human medicine and welfare. The laboratory work covers the preparation of all the standard culture media, the general principles of sterilization and of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently, about fifty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this work. 12 hours per week in the first trimester of the second year.

224-225. *Pathology* (320-64) Hunter, Cajigas
General pathology, covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effect of chemical and physical agents, the formation of new growth, etc., are treated. This is followed by special pathology of the organs and of the specific diseases. The laboratory work consists primarily of the histologic study of diseased tissues and neoplasms. Between two and three hundred sections are stained, mounted and loaned to each student. These sections are carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them. 12 hours per week in the second and 19 hours per week in the third trimester of the second year. Autopsies (72 hours) for second, third and fourth year students are held at the University and affiliated hospitals. Each autopsy includes

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* Non-medical students see Zoology

presentation of the history and clinical findings of the case and demonstration of the gross pathology, followed later by clinical conferences with presentation of the microscopical findings.

234–235. *Preventive Medicine and Hygiene* (63-12) Harper, Berger
The course in Preventive Medicine and Hygiene consists of lectures and recitations on the medical and hygiene phases, laboratory work on methods and physiological hygiene, sanitary excursions and sanitary surveys, which include visits to the two principal types of water treatment plants, sewage treatment works, refuse disposal plants, dairy, pasteurization plant, schools, various industrial plants, and a county health organization. A study will be made of the organization and functioning of a city health department; and the students will make sanitary surveys of small towns. 3 hours per week in the second and third trimesters of the second year.

251–252. *Clinical Microscopy and Parasitology* (72-24) *
Hunter, Cajigas, Harper, Berger
In the course in Clinical Microscopy the student is trained in the counting of the red and white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial parasites, and other parasites of the blood, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of those animal parasites, which are of interest from a medical standpoint, beginning with the protozoa and passing through the helminths and arthropods, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc. The venomous animals, their venoms and the problems of immunity in this group are studied. The significance and value of all these microscopic findings are applied to pathology and diagnosis are considered. 3 hours per week, 24 weeks in the first and second trimesters of the third year.

* Hours included in hour schedule for Department of Medicine

BIOCHEMISTRY

JOSEPH HYRAM ROE, PH.D., *Professor of Biochemistry, Executive Officer.*
OLIVER JOHN IRISH, M.S., *Associate Professor of Biochemistry.*
HAROLD ALBERT CRAFT, B.S., *Associate in Biochemistry.*

Total number of hours required in Biochemistry for the M.D. degree—176.

101–102. *Biochemistry* (176-80) Roe, Irish, Craft

A series of lectures and recitations, supplemented by laboratory work, upon such subjects as hydrogen-ion concentration, indicators, methods of quantitative analysis, dialysis, osmosis, colloids, enzymes, radio-activity, and the structure of the atom, is given for about six weeks. The remainder of the course is devoted to physiological chemistry, which includes a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine, and the secretions; the digestion and absorption of foods; metabolism; the basic principles of nutrition. Laboratory work is planned to parallel and supplement the lectures by a qualitative and quantitative study of the substances and physiological processes discussed, concluding with special experiments in metabolism. 8 hours per week in the first and second trimesters of the first year.

152–153. *Clinical Chemistry* (63-21)* Roe, Irish, Craft

A lecture and laboratory course covering the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of the usual qualitative and quantitative methods of analysis of urine, blood, gastric juice and alveolar air; the kidney and liver function tests; and the interpretation of laboratory findings with respect to diseased conditions. These studies are carried out upon pathological material from the University Hospital and other sources. 3 hours per week in the second and third trimesters of the second year.

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*Hours included in hour schedule of Department of Medicine.

MEDICINE

HENRY CRECY YARROW, M.D., *Professor Emeritus.*
STERLING RUFFIN, M.D., *Professor Emeritus.*

WILLIAM ALANSON WHITE, A.M., M.D., *Professor of Psychiatry.*
BUCKNER MAGILL RANDOLPH, M.D., *Professor of Clinical Medicine, Executive Officer.*
HENRY COOK MACATEE, M.D., *Professor of Therapeutics.*
HARRY HAMPTON DONNALLY, A.M., M.D., *Professor of Pediatrics.*
WILLIAM JOHNSTON MALLORY, A.M., M.D., *Professor of Medicine.*
CHARLES AUGUSTUS SIMPSON, M.D., *Professor of Dermatology.*
WALTER FREEMAN, A.B., M.D., *Professor of Neurology.*
COURSEN BAXTER CONKLIN, B.S., M.D., A.M., *Professor of Physical Diagnosis.*
JOHN PAUL EARNEST, JR., A.B., M.D., *Professor of Medical Jurisprudence.*
MONTGOMERY E. HIGGINS, M.D., *Professor of Tropical Medicine.*
HARRY ALFRED ONG, M.D., *Associate Professor of Pediatrics.*
ROSCOE WILLIS HALL, PH.B., M.D., *Associate Professor of Psychiatry.*
CHARLES ROBERT LEE HALLEY, A.B., M.D., *Associate Professor of Medicine.*
THOMAS ASH CLAYTOR, M.D., *Clinical Professor of Medicine.*
THOMAS SIM LEE, A.M., M.D., *Clinical Professor of Medicine.*
JOSEPH LAWN THOMPSON, A.M., M.D., *Clinical Professor of Medicine.*
WILLIAM DAVIS TEWKSBURY, M.D., *Clinical Professor of Medicine.*
NOLAN DON CHARPENTIER LEWIS, M.D., *Clinical Professor of Psychiatry.*
HENRY RICHARD SCHREIBER, M.D., *Clinical Professor of Medicine.*
JOSEPH WINTHROP PEABODY, M.D., *Clinical Professor of Medicine.*
SAMUEL KAHN, M.D., *Clinical Professor of Psychiatry.*
JOHN MORRISS LADD, M.D., *Clinical Professor of Neurology.*
FORREST M. HARRISON, M.D., *Clinical Professor of Neuro-Psychiatry.*
JOSEPH DIERSON STOUT, PH.D., M.D., *Clinical Professor of Neurology.*
MARY O'MALLEY, M.D., *Associate in Psychiatry.*
WATSON WILLIAM ELDRIDGE, M.D., *Associate in Medicine.*
PRESTON ALEXANDER MCLENDON, B.S., M.D., *Associate in Pediatrics.*
FRANK ADELBERT HORNADAY, M.S., M.D., *Associate in Medicine.*
HARRY SAUL BERNTON, A.B., M.D., *Associate in Medicine.*
EVERETT MONROE ELLISON, PH.D., M.D., *Clinical Associate in Medicine.*
JOHN EDWARD LIND, M.D., *Clinical Associate in Psychiatry.*
JOHN MINOR, A.B., M.D., *Clinical Associate in Medicine.*
LESLIE TRACY GAGER, A.B., M.D., *Clinical Associate in Medicine.*
LOUIS BERNARD CASTELL, PHAR.D., M.D., *Clinical Associate in Medicine.*
SIMON RUFUS KARPELES, M.D., *Clinical Associate in Medicine.*
EDWARD LEWIS, M.D., *Clinical Associate in Pediatrics.*
JOHN ALTON REED, M.D., *Clinical Associate in Medicine.*

Fred Aloysius Joseph Geier, M.D., *Clinical Associate in Medicine.*
Harriet Elizabeth Twombly, M.D., *Clinical Associate in Psychiatry.*
Clapham Price King, M.D., *Clinical Associate in Medicine.*
Joseph Burton Glenn, M.D., *Lecturer on Materia Medica and Therapeutics.*
Grafton Tyler Brown, B.S., M.D., *Lecturer on Allergy.*
Edward Ballard Broocks, M.D., *Instructor in Pediatrics.*
Worth Bagley Daniels, A.B., M.D., *Instructor in Physical Diagnosis.*
William Bailey Sims, M.D., *Clinical Instructor in Medicine.*
Charles Berger Campbell, Phar.D., M.D., *Clinical Instructor in Dermatology.*
Virgil Blackstone Williams, M.D., *Clinical Instructor in Medicine.*
Frank Louis Williman, B.S., M.D., *Clinical Instructor in Medicine.*
Herman Eugene Kittredge, M.D., *Clinical Instructor in Dermatology.*
Robert Massie Page, M.D., *Clinical Instructor in Medicine.*
Winthrop Allen Risk, M.D., *Clinical Instructor in Medicine.*
Hyman David Shapiro, M.D., *Clinical Instructor in Medicine.*
Harry Ford Anderson, M.D., *Clinical Instructor in Dermatology.*
Herman S. Hoffman, A.B., M.D., *Clinical Instructor in Medicine.*
Andrew Keene Bowie, M.D., *Clinical Instructor in Medicine.*
Maurice Protas, A.B., M.D., *Clinical Instructor in Medicine.*
Julia Meade Ruffin, A.M., M.D., *Clinical Instructor in Physical Diagnosis.*
John Elsworth Virnstein, B.S., M.D., *Clinical Instructor in Medicine.*
James Melvin Campbell, M.D., *Clinical Instructor in Medicine.*
Archibald Barklie Coulter, M.D., *Clinical Instructor in Medicine.*
Aaron Niemetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
Katharine Godfrey Symmonds, A.B., M.D., *Clinical Instructor in Pediatrics.*
Norvell Belt, M.D., *Clinical Instructor in Medicine.*
Charles Aurelius Schutz, M.D., *Clinical Instructor in Pediatrics.*
Roger Stahl Cohen, Litt.B., M.D., *Clinical Instructor in Neuro-Psychiatry.*
John Francis Harrington, M.D., *Clinical Instructor in Medicine.*
George Richard Huffman, A.B., M.D., *Clinical Instructor in Medicine.*
Fred August Moss, Ph.D., M.D., *Clinical Instructor in Neuro-Psychiatry.*
Eugene Clarence Rice, M.D., *Clinical Instructor in Medicine.*
Nicholas Athanasirs Mandelos, M.D., *Clinical Instructor in Medicine.*
Raphael Manganaro, M.D., *Clinical Instructor in Medicine.*
George William Creswell, A.B., M.D., *Clinical Instructor in Medicine.*

Total number of hours required in Medicine for the M.D. degree—1,121.

153–155–156. *Physical Diagnosis* (152-12) Conklin, Daniels, ——— The didactic course is given at the beginning, being necessary to outline general principles. The course is in the main

clinical consisting of section demonstrations and practice on the normal and abnormal subject. The clinical sections receive their instruction at Gallinger Municipal Hospital. 4 hours per week throughout the third year.

201–202. *General Medicine* (99-99) Mallory, Halley

Lectures, class discussions, and recitations on assigned reading. 3 hours per week throughout the third year.

211–212. *Medical Clinics* (525-0) Clinical Medical Staff

Well organized group clinics are presented in general medicine, dermatology, neurology, pediatrics and psychiatry at the bedside and in hospital dispensaries. Clinical conferences with the entire third or fourth year class in attendance are held weekly. The clinical teaching staff particularly emphasizes the technic and practice of case study. Bedside demonstrations and quizzes play a large part in clinical instruction. Daily throughout the third and fourth years.

221–222. *Clinical Pathological Conferences* (30–0)

Randolph, Hunter

Clinical records of cases dying in the University Hospital are presented by the student assigned to the case in the wards. Autopsy findings are compared with the clinical, and the specimens are demonstrated and examined by all present. 1 hour per week in the first and second semesters of the third and fourth years.

225–226. *Therapeutics* (66-66) Macatee, Glenn

Sections embracing the clinical application of drugs, and a comprehensive discussion of dietetics, physio-therapy and other therapeutic resources. 2 hours per week throughout the third year.

231–232. *Pediatrics* (24-24) Donnally

The course consists of lectures and demonstrations. 2 hours per week in the first trimester of the fourth year. (Clinical hours are included in the schedule of medical clinics.)

241–242–243. *Dermatology* (16-16) Simpson

A course of lectures in the first 16 weeks of the third year supplemented by dermatologic clinics in general dispensaries. In the fourth year special section clinics in the Dispensary of Children's Hospital. (Clinical hours are included in hour schedule of medical clinics.)

245. *Tropical Medicine* (12-12)
The course is similar to that given in the Army and Navy Medical Schools, special attention being given to disease prevalent in the United States and its possessions. 1 hour per week in the first trimester of the third year.

Earnest

247. *Medical Jurisprudence* (12–12)
Lectures on the rights and obligations of physicians, both legal and ethical, and on the legal problems with which the physician is brought into contact. 1 hour per week in the first semester of the third year.

251–252. *Medical Clinics—Fourth Year* (335–0)
Randolph, Claytor, Lee, Tewksbury, Thompson, Schreiber, Eldridge, Peabody, Minor, Williams, Risk, Jansen, Bowie.
Bedside clinics in wards of general and tuberculosis hospitals, where individual case study is carried on by individual students, supplemented by bedside quizzes and demonstrations by the members of the Faculty attending. A weekly clinic for the entire class in which cases are presented by students and discussed by the class with the Chief of the Medical Department. 23 hours per week in the first and second semesters of the fourth year.

Freeman

261–262. *Neurology* (30-30)
This course of clinical lectures is given at the Government Hospital for the Insane. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of medical clinics.)

White

271–272. *Psychiatry* (12-12)
The clinical lectures exhibiting common types of mental deterioration, supplemented by ward and amphitheater cliinics are followed by a didactic course in the more advanced phases of the subject. 1 hour per week in the second trimester of the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

W. C. Borden

292. *Ethics* (16-16)
A course of lectures on general ethics, including personal hygiene, care of laboratory equipment and general conduct, in the first year, and on medical ethics and adaptability for the profession in the fourth year. One hour per week in the last sixteen weeks in the fourth year.

MILITARY SCIENCE AND TACTICS

WILLIAM O. WETMORE, M.D., Major, Medical Corps, United States Army, *Professor of Military Science and Tactics.*

LOUIS LATHROP SHOOK, D.V.S., Captain, Veterinary Corps, United States Army, *Assistant Professor of Military Science and Tactics.*

The Reserve Officers Training work is elective.

11–12–13. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Practical and theoretical instruction in the following subjects: Military courtesy and discipline, policy, organization, administration, law, medicine, hygiene and first aid. 1 hour per week throughout the first year.

21–22–23. *(Basic Medical Course) Military Science and Tactics*

Wetmore

Map reading, organization of the medical department for caring for, transporting of the sick and wounded from the firing line to the hospitals in the interior, tactics and technique of the several branches of the Army, hospitalization, sanitation with reference to posts, camps, and marches. 1 hour per week throughout the second year.

103–104. *(Advanced Medical Course) Military Science and Tactics*

Wetmore

Physical examinations of masses as employed in the Army, food and its relation to disease, water and its relation to disease, prevention and control of communicable diseases from the military standpoint, sanitation in field and garrison. 1 hour per week throughout the third year.

123–124. *(Advanced Medical Course) Military Science and Tactics*

Wetmore, Shook

Service in the O. R. C., military hospitals and hospitalization in war, medical and surgical diseases peculiar to war, medical aspects of chemical warfare, aviation medicine, medical aspects of mobilization. Inspection of dairies, ice cream plants and packing houses. Methods used by the Army in selecting meats and meat products. Regulations concerning the slaughtering and preparation of meat and meat products. 1 hour per week throughout the fourth year.

OBSTETRICS AND GYNECOLOGY

HURON WILLIS LAWSON, M.S., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*
HOWARD FRANCIS KANE, A.B., M.D., *Associate Professor of Obstetrics.*
ELIJAH WHITE TITUS, PHAR.D., M.D., *Associate Professor of Gynecology.*
GIDEON BROWN MILLER, B.S., C.E., M.D., *Clinical Professor of Gynecology.*
THOMAS EDWIN NEILL, M.D., *Clinical Professor of Gynecology.*
RICHARD LEE SILVESTER, M.S., M.D., *Clinical Professor of Obstetrics.*
CYRUS WHITNEY CULVER, C.M., M.D., *Associate in Obstetrics.*
HENRY LAURAN DARNER, A.B., M.D., *Clinical Associate in Gynecology.*
EDGAR SNOWDEN, M.D., *Clinical Associate in Obstetrics.*
JOSEPH HARRIS, A.B., M.D., *Instructor in Obstetrics.*
JACOB KOTZ, M.D., *Clinical Instructor in Obstetrics.*
HELEN GLADYS KAIN, B.S., M.D., *Clinical Instructor in Gynecology.*
VIRGIL B. JACKSON, M.D., *Clinical Instructor in Gynecology.*
GEORGE NORDLINGER, A.B., M.D., *Clinical Instructor in Gynecology and Obstetrics.*
HENRY JOHN RUSSELL MCNITT, B.S., M.D., *Clinical Instructor in Obstetrics.*
HERBERT PERCY RAMSAY, A.B., M.D., *Clinical Instructor in Gynecology.*
WILLIAM RAYMOND THOMAS, M.D., *Clinical Instructor in Obstetrics.*
LAURENCE LEE COCKERILLE, M.D., *Clinical Instructor in Obstetrics.*
BERNARD NOTES, M.D., *Clinical Instructor in Obstetrics.*
FRANK EDWARD GANTZ, M.D., *Clinical Instructor in Gynecology.*
WILLIAM PRESTON HAYNES, M.D., *Clinical Instructor in Obstetrics.*
ESTHER ALSYLVIA NATHANSON, A.B., M.D., *Clinical Instructor in Gynecology.*

Total number of hours required in Obstetrics and Gynecology for the M.D. degree—251.

211–212. *Normal Obstetrics* (66-66) Lawson, Kane, Silvester, Harris
Lectures and recitations on the physiology and management of normal pregnancy, labor and the puerperium. The physiology and the immediate care of the newborn child are included. Some of the complications of pregnancy are considered in this course near the end of the year. 2 hours per week in the first and second semesters of the third year.

213–214. *Obstetrical Demonstrations* (16-0)
Harris, Thomas, Cockerille
During the first semester laboratory studies are made of the bony pelvis in relation to childbearing; the changes in the soft tissues due to pregnancy, and the fetus at different

ages. During the second semester methods of antepartum examinations are demonstrated in the dispensaries and the clinical course and management of normal labor studied in the delivery wards. The student observes at least four normal deliveries. Sections 2 hours per week, eight weeks throughout the third year.

251–252. *Abnormal Obstetrics* (30-30) Lawson
Lectures, recitations and conferences on the pathology of pregnancy, labor and the puerperium. Birth injuries to the fetus are discussed and demonstrated. The course concludes with a consideration of operative obstetrics. 2 hours per week throughout the fourth year.

258. *Manikin Demonstrations* (12-0)
Harris, Thomas, Cockerille
A course of exercises on the mechanism, diagnosis of presentation and position of labor, version and extraction, delivery by forceps, and other manipulations and operations, use being made of bony and metal pelves, the manikin fetuses. Sections 2 hours per week for six weeks in the second and third trimesters of the fourth year.

261–262. *Clinical Obstetrics* (50-0) Lawson, Silvester, Culver
This embraces dispensary clinics on prenatal care, ward clinics, observation of abnormal deliveries, and the attendance under supervision of six cases in the out-patient service. Throughout the fourth year.

223–224. *Principles and Practice of Gynecology* (45-45)
Titus, Kotz, Darner
A course of lectures and recitations on the subject matter of gynecology, medical and surgical, as generally accepted, with dispensary clinics to demonstrate principles taught. 1 hour per week in the first and second trimesters, 2 hours per week in the third trimester of the third year.

273–274. *Clinical Gynecology* (32-0)
Titus, Miller, Neill, Nordlinger, McNitt, Jackson, Ramsay, Darner
Clinical instruction in various hospitals covering the more important gynecological diseases and operations. Sections throughout the fourth year.

PHARMACOLOGY

GEORGE BYRON ROTH, A.B., M.D., *Professor of Pharmacology, Executive Officer.*
JAMES HOLMES DEFANDORF, A.M., *Associate Professor of Pharmacology.*

Total number of hours required in Pharmacology for the M.D. degree—172.

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151. *Chemical Pharmacology* (36–0) Defandorf
This laboratory course aims to teach the elements of the pharmacy of the more important medicinal agents and to acquaint the student with the fundamentals underlying the chemical incompatibilties of drugs. The characteristic reactions of the more common constituents in drugs are emphasized and the excretion of certain drugs in man is investigated. 3 hours per week in the first semester of the second year.

152. *Pharmacodynamics* (50-0) Roth, Defandorf
The instruction in Pharmacodynamics is also practical and consists of demonstrations and student experiments to illustrate the biological effects and nature of the action of the more important pharmacological agents, proceeding from the simple to the more complex tissues and finally to the organism as a whole. If possible, the site of the action of the drug is ascertained, thus affording a rational basis for its use in therapeutics. 5 hours per week in the second trimester of the second year.

161–162–163. *Systematic Pharmacology* (76–76) Roth
This is a didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents and brings them into more intimate connection with their clinical use, special consideration being given to the drugs found in the United States Pharmacopoeia and New and Non-Official Remedies. 2 hours per week in the first and third trimesters, and 3 hours per week in the second trimester of the second year.

174. *Principles of Prescription Writing* (10–0) Roth
Conferences on the form of the prescription and drill in elemental prescription writing. 1 hour per week in the second trimester of the second year.

PHYSIOLOGY

Leslie Howson French, M.D., *Professor of Physiology, Executive Officer.*
Robert Joseph Bosworth, A.B., M.D., *Associate Professor of Physiology.*
————, *Instructor.*

Total number of hours required in Physiology for the M.D. degree—265.

111–112–113. *Physiology* (145-145) French, Bosworth
Course of systematic lectures, recitation and conferences covering the physiology of Muscle, Nerve, Blood, Lymph, Circulation, Respiration, Digestion, Excretion, Secretion, Senses Organs, Metabolism, Endocrine and Central Nervous Systems. 3 hours per week in the first and second trimesters and 5 hours per week in the third trimester of the first year, and 3 hours per week in the first trimester of the second year.

151. *Experimental Physiology* (120–0) French, Bosworth
Course of laboratory exercises and demonstrations selected to illustrate the fundamental principles of physiology and to impress the student with the importance of observation and correlation. Quizzes and conferences precede each laboratory session. The course includes a theoretical and practical study of the Electro-cardiograph, Polygraph, Basal Metabolic and Gas Analysis apparatus. 10 hours per week in the first trimester of the second year.

*251. *Clinical Physiology* (12-0) French
Course of laboratory and ward demonstrations and conferences covering disturbances of function associated with diseases of the neuro-muscular, digestive, urogenital, blood, cardio-vascular, renal, respiratory and endocrine systems. The subject matter is presented in such a way as to interpret clinical pictures, explain certain functional diagnostic procedures and suggest rational preventative and curative therapeutic principles. The class is divided into sections. 2 hours per week. Sections for ten weeks during the fourth year.

*Hours included in hour schedule of Department of Medicine.

SURGERY

Daniel Kerfoot Shute, A.M., M.D., *Professor Emeritus.*
William Kennedy Butler, A.M., M.D., *Professor Emeritus.*
Charles Williamson Richardson, Sc.D., M.D., *Professor Emeritus.*

Francis Randall Hagner, M.D., *Professor of Urology.*
William Cline Borden, M.D., *Professor of Surgery, Executive Officer.*
Custis Lee Hall, M.D., *Professor of Orthopedic Surgery.*
Arthur Carlisle Christie, M.D., M.S., *Professor of Roentgenology.*
William Thornwall Davis, M.D., *Professor of Ophthalmology.*
Harry Hyland Kerr, M.D., C.M., *Professor of Neurological Surgery.*
Charles Stanley White, M.D., *Professor of Surgery.*
Daniel LeRay Borden, A.M., M.D., *Professor of Surgery.*
Earle Griffith Breeding, M.S., M.D., *Professor of Oto-Laryngology.*
Cline N. Chipman, M.D., *Professor of Anaesthesia.*
Thomas Allen Groover, M.D., Sc.D., *Associate Professor of Roentgenology.*
William Berry Marbury, M.D., *Associate Professor of Surgery.*
Aurelius Rives Shands, M.D., *Clinical Professor of Orthopedic Surgery.*
James Fernandez Mitchell, A.B., M.D., *Clinical Professor of Surgery.*
Carl Henning, M.D., *Clinical Professor of Opthalmology.*
Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*
Charles Wilbur Hyde, M.D., *Clinical Professor of Anaesthesia.*
Henry Walper Kearney, M.D., *Clinical Professor of Anaesthesia.*
Joseph Borrows Bogan, M.D., *Clinical Professor of Anaesthesia.*
Edwin Atkins Merritt, M.D., *Associate in Roentgenology.*
Ralph Stevens Pendexter, LL.B., M.D., *Associate in Ophthalmology.*
John Hugh Lyons, M.D., M.S., *Associate in Surgery.*
Francis George Speidel, M.D., *Associate in Anaesthesia.*
Guy Whitman Leadbetter, A.B., M.D., *Associate in Surgery.*
Otto Nellis Warner, M.D., *Associate in Anaesthesia.*
Frederick August Reuter, M.D., *Clinical Associate in Urology.*
Albert Perkins Tibbets, A.B., M.D., *Clinical Associate in Oto-Laryngology.*
Herbert Hermann Schoenfeld, M.D., *Clinical Associate in Surgery.*
Paul Sterling Putzki, M.D., *Clinical Associate in Surgery.*
William H. Jenkins, M.D., *Clinical Associate in Oto-Laryngology.*
Edmund Horgan, M.D., F.A.C.S., *Clinical Associate in Surgery.*
Lyle Millan Mason, M.D., *Clinical Instructor in Urology.*
Arch Lockhart Riddick, B.S., M.D., *Clinical Instructor in Surgery.*
William Hite Hough, Phar.D., M.D., *Lecturer on Syphilology.*
Jesse Thomas Mann, M.D., *Instructor in Anaesthesia.*
Jeter Carroll Bradley, M.D., *Instructor in Anaesthesia.*
Joseph Kreiselman, M.D., *Instructor in Anaesthesia.*
Eugene Lyman LeMerle, D.D.S., M.D., *Instructor in Anaesthesia.*

Boyce Richardson Bolton, M.D., *Clinical Instructor in Oto-Laryngology.*
Richard Laurens DeSaussure, M.D., *Clinical Instructor in Oto-Laryngology.*
James McNelledge Fadeley, M.D., *Clinical Instructor in Urology.*
Myer Jerome Herschman, M.D., *Clinical Instructor in Urology.*
William Dennis Goodman, M.D., *Clinical Instructor in Urology.*
Benjamin Newhouse, M.D., *Clinical Instructor in Urology.*
Sewall Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*
Charles Otterbein Knott, M.D., *Clinical Instructor in Urology.*
Frederick Oscar Coe, B.S., M.D., *Clinical Instructor in Roentgenology.*
Bernard Lipscomb Jarman, M.D., *Clinical Instructor in Oto-Laryngology.*
Richmond Anthony Carrington Brooks, B.S., M.D., *Clinical Instructor in Oto-Laryngology.*
James Houston Hawfield, M.D., *Clinical Instructor in Surgery.*
Edward Jacob Grass, A.B., M.D., *Clinical Instructor in Surgery.*
David Davis, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
Alfred Rives Shands, Jr., A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*
Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*
William Marshall Bland, M.D., *Clinical Instructor in Oto-Laryngology.*
Ralph John Haws, M.D., *Clinical Instructor in Surgery.*
John Ogle Warfield, Jr., A.M., M.D., *Clinical Instructor in Surgery.*
Don Sweet Knowlton, B.S., M.D., *Clinical Instructor in Oto-Laryngology.*
Edward Richard Gookin, M.D., *Clinical Instructor in Ophthalmology.*
William Warren Sager, A.B., M.D., *Clinical Instructor in Surgery.*
Miles Parker Omohundro, M.D., *Clinical Instructor in Urology.*
Daniel Bruce Moffett, A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
Alan Jeffries Chenery, M.D., *Clinical Instructor in Urology.*
William Thompson Burch, M.D., *Clinical Instructor in Ophthalmology.*
Joel Adams Tilton, M.D., *Clinical Instructor in Orthopedics.*
Thomas Carlton Thompson, B.S., M.D., *Clinical Instructor in Urology.*
Samuel Arthur Machlis, M.D., *Clinical Instructor in Ophthalmology.*
Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*
James Alexander Smart, M.D., *Clinical Instructor in Oto-Laryngology.*
Charles Louis Billard, M.D., *Clinical Instructor in Ophthalmology.*
George Victor Simpson, M.D., *Clinical Instructor in Ophthalmology.*
Joseph Ernest Mitchell, M.D., *Clinical Instructor in Urology.*
LeRoy Lee Sawyer, Jr., A.B., M.D., *Clinical Instructor in Oto-Laryngology.*
William Glenn Young, M.D., F.A.C.S., *Clinical Instructor in Urology.*
Xavior Charles Suraci, M.D., *Clinical Instructor in Anaesthesia.*
Edward Emanuel Kaplan, M.D., *Clinical Instructor in Roentgenology.*
Frank Marks McChesney, M.D., *Clinical Instructor in Anaesthesia.*
Edward Bailey Macon, M.D., *Clinical Instructor in Anaesthesia.*
Edward Morse Pickford, M.D., *Clinical Instructor in Surgery.*

HOWARD LEE SMITH, M.D., *Clinical Instructor in Surgery.*
DON JOHNSON, M.D., *Clinical Instructor in Oto-Laryngology.*

Total number of hours required in Surgery for the M.D. degree—550.

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153. *Minor Surgery* (22-22) Marbury, Riddick, Lyons, Grayson, Herzmark and Staff

This course covers the principles of surgery, of antisepsis and asepsis, the use of surgical instruments, appliances, sutures, bandages and dressings and the technique of minor surgical procedures. 2 hours per week in the second and third trimesters of the third year.

201–202. *Surgical Clinics* (286-0) Surgical Clinical Staff

Dispensary, amphitheater and bedside instruction in the practice and principles of surgery. Group instruction is given in general surgery, anaesthesia, neuro-surgery, ophthalmology, orthopedics, roentgenology and urology. Daily throughout the third and fourth years.

221–222. *General Surgery* (150-44) W. C. Borden, C. S. White, D. L. Borden, Mitchell, Riddick, Lyons

Instruction is given by lectures, demonstrations, clinical clerkships, assignment to surgical cases, ward clinics and bedside instruction. 2 hours per week throughout the third and fourth years.

233–235. *Roentgenology* (21-21) Christie, Groover, Merritt

The course consists in lectures and demonstrations, both practical and clinical. Fully equipped Roentgen laboratories are maintained and utilized in the University Hospital and the Garfield Memorial Hospital. 1 hour per week in the second and third trimesters of the fourth year.

253–255–256. *Anaesthesia* (12-12) Chipman, Speidel, Hyde, Kearney, Bogan

Theoretical and practical instruction is given in the use of general and local anaesthetic agents. 1 hour per week in the first semester of the third year and the first and second semesters of the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

259–260. *Urology* (30-30) Hagner, Fuller, Reuter

This course consists of lectures, bedside teaching and section clinics. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

261–262. *Orthopedics* (30-30) Hall, Leadbetter, Shands, Morse
The course includes the etiology, pathology, symptomology and treatment of congenital and acquired diseases of the bones and joints, the clinical instruction in the treatment and application of appliances for the correction of deformities. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

265. *Ophthalmology* (16-16) Davis, Henning, Pendexter, Speidel
Lectures are given on the principles of the subject, and giving that information which every general practitioner should have. This is supplemented by clinical instruction in the University Hospital and the Episcopal Eye, Ear and Throat Hospital. 1 hour per week in the first 16 weeks of the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

267–268. *Oto-Laryngology* (16-16) Breeding, Tibbets, Bolton, DeSaussure, Jarman, Davis
This course comprises lectures and clinical instruction in diseases of the nasal passages, pharynx, larynx and the ear. 1 hour per week throughout the fourth year. (Clinical hours are included in hour schedule of surgical clinics.)

275. *Neuro Surgery* (14-14) Kerr, Schoenfeld
This course consists of lectures and clinical instruction on surgery of the brain and nerves. 1 hour per week for 14 weeks in the second trimester of the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

THE RECORD

OF

THE SCHOOL OF MEDICINE

1928-1929

DEGREES CONFERRED

DOCTOR OF MEDICINE

June 13, 1928

*JOHN C. ALESI ..... New York
WILLIAM DUNAWAY ANDERSON ..... Alabama
B.S. 1926, University of Alabama
ABRAHAM MAX BALTER ..... Pennsylvania
A.B. 1927, The George Washington University
*CEDRIC CAESAR CARPENTER ..... District of Columbia
ELMA BEBEE CARR ..... Kentucky
A.B. 1920, The George Washington University
A.M. 1921, The George Washington University
FRANCIS XAVIER COURTNEY ..... New York
A.B. 1925, The George Washington University
JOHN DAVID DANA ..... New York
A.B. 1925, Columbia University
ETTA LOUISE DEVORE ..... District of Columbia
A.B. 1915, Stanford University
*GEORGE DEWEY ..... District of Columbia
*DANIEL DENNIS DOUGHERTY ..... New Jersey
*DEPUE HAZEN DUFFEY ..... District of Columbia
*ISIDORE S. EDELSTEIN ..... New York
B.S. 1924, College of the City of New York
*FREDERIC WILLIAM FARRAR ..... District of Columbia
HARRY B. FERMAGLICH ..... New York
LOUIS J. GELBER ..... New York
*EMIL S. GOODYEAR ..... New York
A.B. 1924, The George Washington University
*LEON STUART GORDON ..... District of Columbia
(With Distinction)
*DAVID OSCAR GORLIN ..... New York
MORRIS LAWRENCE GREENMAN ..... New York
CLAYTON HAWFIELD ..... North Carolina
*STANTON S. HOECHSTETTER ..... Pennsylvania
B.S. 1925, University of Pittsburgh
*HUGH OSGOOD HOUSE ..... Maryland
A.B. 1924, University of Maryland
FRANCIS L. HUMMER ..... South Dakota
B.S. 1926, University of South Dakota
SAMUEL ALEXANDER JACOBSON ..... New York
B.S. 1924, College of the City of New York
JOHN JAMPEL ..... New York
B.S. 1923, College of the City of New York
*THOMAS JOSEPH KELLY ..... Virginia
*MARK LARSEN LEWIS ..... Utah
A.B. 1917, Brigham Young University
*JOSE A. LOPEZ Y JUBES ..... Porto Rico
*BENJAMIN PALMER MALERBA ..... New York
LEON JOSEPH MALOCK ..... Pennsylvania
WILLIAM CAREY MELOY ..... District of Columbia
DAVID MESNIK ..... New York
B.S. 1924, College of the City of New York
*PETER JOHN MILAZZO ..... New York
B.S. 1924, College of the City of New York
*WILLIS BROWN MORSE ..... District of Columbia
*RAYMOND WILKINS MURRAY ..... District of Columbia
A.B. 1925, The George Washington University
(With Distinction)
BRAYTON OMAR MYERS ..... District of Columbia
B.S. 1926, West Virginia University
*EDWARD WILSON NICKLAS ..... District of Columbia
GILBERT OTTENBERG ..... District of Columbia
A.B. 1922, The George Washington University
A.M. 1924, The George Washington University
*LESTER MARSHALL PETRIE ..... District of Columbia
B.S. 1924, Westminster College
HARRY WILLIAM PRIMAKOFF ..... North Carolina
A.B. 1923, Duke University
A.M. 1924, Duke University

*ANTHONY JOSEPH PROFITA ..... New Jersey
A.B. 1925, Columbia University
GRACE GUILE PURSE ..... District of Columbia
A.B. 1924, The George Washington University
*MILTON HERBERT ROBBINS ..... New York
B.S. 1924, College of the City of New York
VICTOR RINCON Y NUNEZ ..... Porto Rico
B.S. 1926, West Virginia University
SAMUEL LYLE ROGERS ..... North Carolina
A.B. 1923, The George Washington University
*THOMAS ALEXANDER ROSSANO ..... New York
*IGNATIUS RUTKOSKI ..... District of Columbia
A.B. 1927, The George Washington University
*WILLIAM ALBERT RYON ..... District of Columbia
*MARIO VICTOR SCANDIFFIO ..... New York
A.B. 1925, The George Washington University
*MORRIS SONBERG ..... New York
B.S. 1924, College of the City of New York
*WALTER RAYMOND STOKES ..... District of Columbia
LL.B. 1924, The George Washington University
JAMES EDISON STRETCH ..... Connecticut
FRANCIS XAVIER SURACI ..... District of Columbia
GEORGE JOSEPH VANDENBURG ..... Washington
B.S. 1917, University of Washington
ABRAHAM WEITZ ..... New Jersey
A.B. 1923, The George Washington University
*THOMAS ALBERT WILDMAN ..... District of Columbia
*RICHARD WALLACE WILKINSON ..... District of Columbia
A.B. 1925, The George Washington University
*EDWIN EUGENE ZIEGLER ..... District of Columbia
A.B. 1927, The George Washington University

* These graduates satisfactorily completed the course for the Reserve Officers' Training Corps, as prescribed by the War Department, and received their commissions as First Lieutenants in the Medical Reserve Corps.

October 18, 1928

JULIUS EVAN LEWIS ..... Virginia

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Names of students who have withdrawn are indicated by stars (*).

FOURTH YEAR

Alexander, LeBeryl Henderson — Okla.
B.S. 1927, Oklahoma University

Alpher, Isadore M. — D. C.
A.B. 1926, George Washington University

Andrus, Lenard Milo — Idaho
B.S. 1920, Utah Agricultural College

Baber, John Marion — D. C.
LL.B. 1922, Georgetown University; LL.M. 1923, Georgetown University

Bachrach, Louis Bernard — D. C.

Baty, William Copeland, Jr. — Ala.
A.B. 1924, University of Alabama

Boaz, Thenton David — Ky.

Brown, Omar Jesse — N. C.
A.B. 1925, George Washington University

Buckley, Frank Joseph — N. Y.

Cerone, Daniel Malcolm — N. J.

Cohen, Nat Bertram — N. J.
A.B. 1926, George Washington University

Cromer, Jerry Keith — Va.

D'Angelo, John Vincent — N. Y.

Dankberg, Julius — N. Y.
B.S. 1924, Columbia University

DeNatale, Frederick Joseph — N. Y.

Eisenstein, Victor William — Pa.
B.S. University of Pittsburgh

Flohr, Martin Carroll — Va.
A.B. 1926, George Washington University

Frankenthaler, Sylvan A.

Fruchter, Harold — N. Y.
A.B. 1925, George Washington University

Garcia, David E. — P. R.

Gard, Perry William — Md.

Genco, Victor — N. Y.

Gibson, John Paul — D. C.
A.B. 1925, Abilene Christian College

Gilbert, Harry A. — Okla.
A.B. 1926, George Washington University

Gilfoy, Francis Elmer — Mass.

Goldenberg, Morris H. — N. Y.
A.B. 1926, George Washington University

Goodman, E. Leonard — D. C.
A.B. 1926, George Washington University

Gould, Vincent C. — Canada

Harmon, Robert Howe — D. C.
A.B. 1915, Millsaps College

Heighes, Melville Lynwood — Pa.
A.B. 1926, George Washington University

Hess, Dowe Scott

Heyl, Kiesling Alice — D. C.
A.B. 1925, Cornell University

Kessler, Leo — D. C.

Leonardo, Alexander S. — D. C.

Levin, Isadore — D. C.

Lewis, Ned Arthur — N. Y.

Lieberman, Jess J. — N. Y.
A.B. 1926, George Washington University

Litteral, Emmett Bryan — Mo.
A.B. 1925, George Washington University

Litvin, Philip — D. C.

Long, William Ellis — D. C.

Lowden, Henry Marshall — Md.

McCarthy, Leonard Daniel — D. C.
A.B. 1925, George Washington University

McLain, George Henry — D. C.
A.B. 1926, George Washington University

McLain, John Edward — D. C.
A.B. 1926, George Washington University

Miller, Herman Paul — N. J.
B.S. 1926, New York University

Missonellie, William — N. Y.

Morgan, Theron Harvard — Ohio
A.B. 1926, Ohio University

Norell, Oscar — Maine
A.B. 1923, University of Maine

Novick, Joel N. — N. Y.
B.S. 1923, College of the City of New York

Piazza, Ferdinand — N. Y.
B.S. 1926, College of the City of New York

Sadoff, Joseph — N. J.

Safran, Louis — N. Y.
B.S. 1925, College of the City of New York

Santemma, Esterino Elia — N. Y.
B.S. 1926, New York University

Schwarzman, John U. — Va.

Sena, Frank Wendall — N. J.

Sherman, Benjamin — Conn.

Silverstein, Bernard — N. Y.
B.S. 1925, College of the City of New York

Tabor, Blanche — Va.
A.B. 1922, George Washington University

Tickner, Louis — Pa.
A.B. 1927, George Washington University; Ph.G. 1923, Philadelphia College of Pharmacy

Washington, Daniel Boone — D. C.
A.B. 1926, George Washington University

*Wigderson, Charles Bernard — N. Y.
B.S. 1925, College of the City of New York

THIRD YEAR

Algozer, Alfonso Leonard — N. Y.
Allison, James Clement — D. C.
Barber, Donald Cole — Ohio
B.F.S. 1926, Georgetown University
Boyden, Robert Claibourne — N. Dak.
Breslow, Samuel — N. J.
Calandrella, Ralph — Conn.
Campbell, George K. — Mo.
A.B. 1927, George Washington University
Cardwell, John Leland — D. C.
Carrozza, Natale Salvatore — N. Y.
DeStio, Daniel S. — Pa.
Delgrego, Arthur Leo — Conn.
Dobkin, Joseph Jacob — D. C.
Detweiler, William Shambough — Va.
Eastlack, William Lloyd — N. J.
Fox, L. Otis — N. Y.
Gentile, Luciano F. — N. Y.
Gibson, Stuart Bentley — Pa.
Grieco, Gaetano — N. Y.
Griffin, Edgar Deucher — D. C.
A.B. 1927, George Washington University
Jones, Benjamin L. — Pa.
Kardys, John Albert — Conn.
Katz, Max — D. C.
Katzman, Sollie — D. C.
Keller, Ira Allen — N. Y.
B.S. 1923, College of the City of New York
Kelly, Fred Robert — Ohio
Lavine, Oscar — D. C.
Liccese, Emanuel — N. J.
B.S. 1926, New York University
Marbury, John Bayne — D. C.
Marinello, Joseph Faraday — N. Y.
B.S. 1926, College of the City of New York
Martone, Edward Jay — N. Y.
Meade, Spencer Vincent — D. C.
A.B. 1927, George Washington University
Merlo, Francis — N. J.
B.S. 1927, New York University
Morrock, Samuel — N. Y.
New, John Adam — Pa.
Orem, John Manly — D. C.
Paganelli, Hugo Raphael — N. Y.
Parker, Howard Pope — D. C.
Purpura, John A. — N. Y.
Quinn, David Edman — Ohio
B.S. 1924, Allegheny College
Rod, Isadore — D. C.
A.B. 1927, George Washington University
Rothman, Herman — Pa.
B.S. 1928, University of Pittsburgh
Sanchez, Luis Antonio — P. R.
Scalzo, John James — N. Y.
Schneider, William — N. Y.
B.S. 1927, New York University; B.S.M. 1928, University of Kansas
Schwartzman, Aaron — D. C.
A.B. 1927, George Washington University
Speer, Alma Jane — D. C.
A.B. 1913, University of Texas; M.A. 1926, George Washington University
Stoen, Bennett A. — Minn.
Tabb, Sam L. — D. C.
A.B. 1927, George Washington University
Vita, Frank Joseph — N. J.
Wallerstein, Harry — D. C.
A.B. 1927, George Washington University
Weber, George Samuel — D. C.
Weinstein, Max Jacob — D. C.
Weisman, Joseph C. — N. Y.
Ph.G. 1924, Columbia University; B.S. 1928, University of Missouri
Wilson, Nat Joseph — Conn.
A.B. 1926, George Washington University

SECOND YEAR

Aybar, Jose Angel — P. R.
Ball, George Lindsay — D. C.
Beam, Vernon Boulter — Canada
Bolton, Robert Meston — D. C.
Boyer, Milton McKendree — Md.
A.B. 1928, The George Washington University
Bucciarelli, John A. — Conn.
Burbidge, John Raymond — Idaho
Cajigas, Mariano — P. R.
Campbell, Neil Porter — D. C.
Campus, Bernard — N. Y.
Caprio, Frank Samuel — N. J.
A.B. 1927, University of Pennsylvania
Cardona, Angel A. — P. R.
Carotenuto, Ralph — N. Y.
Carroll, Charles Troll — D. C.
Casey, Jesse Frank — D. C.
A.B. 1925, Guilford College
Casanova, Luis E. — P. R.
Castillo, Julio Carlos — P. R.
A.B. 1928, The George Washington University; B.S. 1928, Pennsylvania State College
Clements, William Heman — D. C.
A.B. 1928, The George Washington University
Cooper, Albert Derwin — Va.
Crowther, Aloha Hare — Md.
B.S. Phar. 1927, The George Washington University
Culpepper, Albert Lloyd — N. M.
A.B. 1926, University of New Mexico
Cuozzo, Michael A. — N. Y.
Ph.G. 1924, Columbia University
D'Ambola, Philip Ralph — N. J.
Dengler, Ernest Harry — D. C.
A.B. 1928, The George Washington University

Diamond, Harry Davis — N. Y.
DiFino, Felix Joseph — N. J.
A.B. 1926, Columbia University
DiLorenzo, Gaspare — N. Y.
B.S. 1926, College of the City of New York
Distefano, Michael S. — N. Y.
B.S. 1927, College of the City of New York
Dowling, Harry Filmore — D. C.
A.B. 1927, Franklin and Marshall College
Eisenberg, Herman — D. C.
Ershler, Irving — N. Y.
A.B. 1928, The George Washington University
Fernandez, Ricardo F. — P. R.
Fortgang, Harry King — N. Y.
Fox, Thomas Holland — N. Y.
B.S. 1927, St. John's College
Friedman, Irving — N. Y.
Gary, Edward Thomas — D. C.
A.B. 1927, The George Washington University
Green, Holland Harvey — Ind.
A.B. 1928, The George Washington University
Greenberg, Louis William — N. Y.
A.B. 1927, The George Washington University
Harrison, Susan-Ish — Va.
Heath, Alma F. — Idaho
Henson, Rex Thomas — Idaho
A.B. 1927, The George Washington University
Hernandez, Jose A.
Jacobson, Murray Benson — P. R.
A.B. 1927, Ohio State University — N. J.
Jarvis, James Raymond — D. C.
A.B. 1927, Ohio State University
Kossow, Maurice J.
LeHew, Allen Edwin — D. C.
A.B. 1928, The George Washington University — D. C.
Letofsky, Samuel
Lewis, E. Wayne — N. Y.
B.S. 1927, Brigham Young University — Utah
Maggio, George Anthony — N. J.
A.B. 1928, Columbia University
Martin, Wilbur Wynn
Mattingly, Richard Vinton — D. C.
LL.B. 1919, Georgetown University; LL.M. 1921, Georgetown University; M.P.L. 1921, Georgetown University; A.B. 1928, The George Washington University — D. C.

Adler, Harry — N. Y.
A.B. 1928, The George Washington University
Alpert, Henry Rowland
Amster, Milton William — N. Y.
Baker, Arthur Gorham — N. Y.
A.B. 1928, Swarthmore College — D. C.
Barr, William Carlisle
Beacher, Abraham — D. C.
N. Y.

McCarthy, Robert J. — Pa.
McGreevy, Joan Frances — D. C.
Mezitis, Fofo — D. C.
A.B. 1928, The George Washington University
Miller, Beveridge — D. C.
A.B. 1927, The George Washington University
Miller, Saul Martin — N. Y.
A.B. 1927, Cornell University
Mohr, Charles Franklin — R. I.
Mollica, John J. — N. Y.
B.S. 1927, Fordham University
Nicosia, Joseph John — N. Y.
Parker, Elizabeth Katharine — D. C.
A.B. 1924, Brenau College
Petruska, Albert John — N. J.
Pietropinto, Donato — N. Y.
B.S. 1927, New York University
Pozzi, Gustave Lawrence — R. I.
Ramsdell, Mary Alice — Tex.
A.B. 1927, University of Texas
Rojas, Eli Samuel — P. R.
Rosenberg, Seymour J. — Calif.
Scarborough, Dorothy Lee — Tex.
A.B. 1928, The George Washington University
*Scarborough, Marianne — Tex.
Schreiber, Maurice Milton — N. Y.
B.S. 1928, New York University
Schubert, Roy R. — N. J.
Seckler, Samuel — N. Y.
B.S. 1926, College of the City of New York; M.S. 1927, The George Washington University
Segaul, Herman J. — N. Y.
A.B. 1928, The George Washington University
Sichi, William T. — D. C.
Simon, Charles — N. Y.
Siniscal, Arthur Alfred — N. J.
Slipyan, Alvin — N. Y.
Solet, Leo — D. C.
Vartebedian, Leo — Mass.
Vicente-Mastellari, Amadeo — Panama
Weitzman, Harry Samuel — D. C.
Whisman, James Joseph — D. C.
Wyman, George Parker — Ohio
A.B. 1928, Baldwin-Wallace College
Zingaro, Frank Florindo — N. Y.
B.S. 1927, College of the City of New York

FIRST YEAR

Bellafiore, Vincent James — N. Y.
Biondo, Paul M. — Pa.
Birnberg, William Irving — N. Y.
A.B. 1928, The George Washington University
Blajwas, Abe — D. C.
Blakiston, William Stone — Md.
Blank, Henry — N. Y.
Boas, Louis Charles — N. Y.

Boot, Harry E. Pa.
Boswell, Robert Echo Ohio
Bressler, David M. N. Y.
Calderon, Aureo P. R.
Chase, Albert Stillman Calif.
A.B. 1928, University of Southern California
*Clintron, Miguel P. R.
Cliff, Arthur Edgar Mass.
Conway, William F. D. C.
Croft, Gordon Yan Utah
B.S. 1923, Utah Agricultural College
Crain, Darrell C. D. C.
Dick, Morris Marcus N. Y.
A.B. 1928, The George Washington University
DiGregorio, Arnold N. Y.
Douglas, Harry Samuel N. Y.
Edmonston, Raphael Allen D. C.
Elias, Shaiker Thomas Pa.
B.S. 1928, University of Pittsburgh
Elkins, Earl C. Mont.
A.B. 1927, Buena Vista College
Enyart, Hugh Martin Ind.
A.B. 1927, Butler University; B.S. 1928, Butler University
Fleck, Charles Hayden Pa.
Foster, Major Schuessler Ala.
B.S. 1928, Alabama Polytechnic Institute
Fowler, William McDaniel N. C.
Glover, Mervin Wilbur D. C.
Gonzalez, Pablo Ariz.
Gordon, Stanley Joseph Pa.
Heilman, Charles D. C.
Hoffman, Isidore Louis N. Y.
Hoyt, John Mitchell D. C.
A.B. 1923, The George Washington University
Jackson, John McIver Va.
A.B. 1928, Washington and Lee University
Jones, Howard Allen Va.
B.S. 1925, The George Washington University
Kennedy, John Joseph N. Y.
Kerrigan, T. Robert Pa.
B.S. 1927, University of Pittsburgh
Klein, Milton N. Y.
A.B. 1928, The George Washington University
Klesner, Samuel Franklin Mich.
A.B., Kalamazoo College

Kroll, Max N. Y.
Lafsky, Benjamin Paul D. C.
Lichtman, Abraham Paul G. D. C.
Mangold, Anthony Joseph Pa.
Marquez, Francisco A. P. R.
Martin, Basil Ferguson Pa.
McLean, Charles Dorsey Pa.
Mejia, Raymond D. C.
Melich, Edward Idel N. J.
Mendelsohn, Matthew D. C.
Mitchell, Arthur Vernon R. I.
A.B. 1928, The George Washington University
Mitchell, Ona F. W. Va.
*Montani, Rocco Joseph N. J.
A.B. 1928, The George Washington University
Mulhern, Willis Henry Pa.
Olson, Robert Mortimer Va.
Nelson, George Bailey Md.
Orlean, Harry D. C.
Passalacqua, Jose R. P. R.
Richtmeyer, Duane Case Va.
Robberson, Morton Earle Okla.
*Rodenbaugh, Frederick H. Ohio
Rosenfeld, Hyman Samuel N. Y.
A.B. 1928, The George Washington University
*Sampson, Howard Erwin N. Y.
Schiffer, Harry Bernard N. Y.
Schnauffer, William Md.
A.B. Washington College; M.A. The George Washington University
Shaffer, Lester Miller Pa.
B.S. Susquehanna College
Shaffer, Charles Merritt Pa.
B.S. Susquehanna College
Shaw, Joseph Tate N.C.
Shoemaker, Norman Imlay N. J.
Smith, Hewitt Wyatt Md.
Smoot, Kenneth MacLean D. C.
Sox, Carl Caughman S. C.
Steinman, H. Erwin D. C.
Strawbridge, Francis Neilson D. C.
Stubbs, Donald Harrison D. C.
*Studdiford, Walter S. Pa.
Susan, Frank Augustine Utah
Tanner, Ivins S. P. R.
Troche, Carmen Va.
Weeks, William Addison D. C.
Weinstein, David Louis Conn.
Whittier, Irving Maurice Pa.
Williams, Angelo Muollo Utah
Wootton, Roland Henry

SUMMARIES OF REGISTRATION

Candidates for degree of Doctor of Medicine:

First Year	89
Second Year	83
Third Year	55
Fourth Year	62
Total	289

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	2	New Mexico	1
Arizona	1	New York	73
California	2	North Carolina	3
Canada	2	North Dakota	1
Connecticut	7	Ohio	7
District of Columbia	77	Oklahoma	3
Idaho	4	Panama	1
Indiana	2	Pennsylvania	23
Kentucky	1	Porto Rico	15
Maine	1	Rhode Island	3
Maryland	8	South Carolina	1
Massachusetts	3	Texas	3
Michigan	1	Utah	4
Minnesota	1	Virginia	12
Missouri	2	West Virginia	1
Montana	1		
New Jersey	21	Total	289

GRADUATES OF COLLEGES

Abilene Christian College	1
Alabama Polytechnic Institute	1
Allegheny College	1
Baldwin-Wallace College	1
Brenau College	1
Brigham Young University	1
Buena Vista College	1
Butler University	1
College of the City of New York	11
Columbia University	5
Cornell University	2
Fordham University	1
Franklin and Marshall College	1
George Washington University	54
Georgetown University	3
Guilford College	1
Kalamazoo College	1
Millsaps College	1
New York University	6
Ohio State University	3
Pennsylvania State College	1
Philadelphia College of Pharmacy	1
St. Johns College	1
Susquehanna College	2
Swarthmore College	1
University of Alabama	1
University of Kansas	1
University of Maine	1
University of Missouri	1
University of New Mexico	1
University of Pennsylvania	1
University of Pittsburgh	4
University of Southern California	1
University of Texas	2
Utah Agricultural College	1
Washington College	1
Washington and Lee University	1

Total Number of Colleges—38

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SCHEDULE OF CLASSES

FIRST YEAR

First Trimester (Sept. 25–Dec. 21)

Monday	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
9–12 Anatomy 111	9–12 Anatomy 111	9–12 Anatomy 111	9–12 Anatomy 111	9–12 Anatomy 111	9–10 Military Science 11
1–2 Physiology 111	1–5 Chemistry 101	1–2 Physiology 111	1–5 Chemistry 101	1–2 Physiology 111	
2–5 Histology and Embryology 121		2–5 Histology and Embryology 121		2–5 Histology and Embryology 121	

Second Trimester (Jan. 2–Mar. 13)

9–12 Anatomy 112	9–12 Anatomy 112	9–12 Anatomy 112	9–12 Anatomy 112	9–12 Anatomy 112	9–10 Military Science 12
1–2 Physiology 112	1–5 Chemistry 102	1–2 Physiology 112	1–5 Chemistry 102	1–2 Physiology 112	
2–5 Histology and Embryology 122		2–5 Histology and Embryology 122		2–5 Histology and Embryology 122	

Third Trimester (Mar. 14–June 11)

9–12 Anatomy 113	9–12 Anatomy 113	9–12 Anatomy 113	9–12 Anatomy 113	9–12 Anatomy 113	9–10 Military Science 13
1–2 Physiology 113	1–2 Physiology 113	1–2 Physiology 113	1–2 Physiology 113	1–2 Physiology 113	
2–5 Histology and Embryology 123	2–5 Elective	2–5 Histology and Embryology 123	2–5 Elective	2–5 Histology and Embryology 123	

SECOND YEAR

First Trimester (Sept. 25–Dec. 21)

Monday	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
9–12 Bacteriology and Immunology 221	9–12 Bacteriology and Immunology 221	9–12 Bacteriology and Immunology 221	9–12 Bacteriology and Immunology 221	9–12 Pharmacology 161	9–12 Physiology 151
1–2 Pharmacology 151	1–4 Neuro-Anatomy 161	1–2 Pharmacology 151	1–4 Neuro-Anatomy 161	1–12 Military Science 21	
2–5 Physiology 111–13		2–5 Physiology 111–13		2–5 Physiology 111–13	

Second Trimester (Jan. 2–Mar. 13)

9–12 Pathology 224	9–12 Pathology 224	9–12 Pathology 224	9–12 Pathology 224	9–12 Pharmacology 162	9–12 Chemistry 152
1–4 Pharmacology 152	1–4 Applied Anatomy 172	1–4 Pharmacology 152	1–4 Applied Anatomy 172	1–2 Military Science 22	

Third Trimester (Mar. 14–June 11)

9–1 Pathology 225	9–1 Pathology 225	9–1 Pathology 225	9–1 Pathology 225	9–12 Pathology	9–12 Chemistry 153
2–3 Pharmacology			2–3 Pharmacology 163	1–2 Military Science 23	

JUNIOR SCHEDULE—LECTURES, RECITATIONS AND CLINICS

Monday	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
8–9 Therapeutics and Materia Medica Dr. Glenn	*8–9* Surgery Dr. D. L. Borden	*8–9* Pediatrics Dr. Donnally to Dec. 15 Minor Surgery Dr. Marbury After Dec. 15	*8–9* Medicine Dr. Halley	*8–9* Pediatrics to Dec. 15 Dr. Donnally	
9–10 Military Science and Tactics Major Corbett	9–10 Medicine Dr. Malloy	9–10 Obstetrics Drs. Lawson and Kane	9–10 Medical Jurisprudence To Jan. 1	9–10 Medicine Dr. Mallory	9–12 Clinical Microscopy Dr. Hunter
10–11 Obstetrics Dr. Lawson	10–11 Gynecology Dr. Lawson After Feb. 1 Minor Surgery To Dec. 15	10–11 Surgery Dr. Leadbetter	10–11 Gynecology Dr. Lawson Entire Year	10–11 Therapeutics Dr. Macatee	

11:30–2 University Hospital Dispensary—Daily—Sections
12:30–2 Emergency Hospital Dispensary—Daily—Sections
11:30–1 Providence Hospital Dispensary—Monday, Tuesday, Wednesday, Friday—Sections
1 – 2:30 Children's Hospital Dispensary—Monday, Wednesday, Thursday, Saturday—Sections
1 – 2:45 Garfield Hospital Dispensary—Monday, Wednesday—Sections
11:15–12:30 Obstetrics—Columbia Hospital—After February 1—Sections
2:30– 4 University Hospital—After February 15—Entire Class, Dr. Gager

2–3:30 Case Conference Dr. Gager After Feb. 15	2–4 Physical Diagnosis Dr. Conklin	3–4 Dermatology to Jan. 15 Dr. Simpson		2–4 Physical Diagnosis Dr. Conklin	
		4–5 Anaesthesia To Dec. 31 Dr. Chipman	4–5 Tropical Medicine Dr. Harper To Dec. 31 Roentgenology Dr. Christie After Jan. 1		

SENIOR CLINICS

Clinical Clerkships—

University Hospital
Daily 10–1

Monday

8–9:30
Surgery
University Hospital
Drs. White and Borden
Entire Class

10:15–12:15
G. U. Surgery
Garfield Hospital
Dr. Hagner
Sections

11:15–12:30
Obstetrics
Columbia Hospital
Drs. Lawson and Assts.
Sections

1–2
Allergy
Emergency Hospital
Dr. Bernton
Sections

1:45–3:45
Gynecology
Columbia Hospital
Dr. Lawson and Assts.
Sections

4–5
Clinical Path. Conf.
Drs. Randolph and Hunter
Entire Class

Tuesday

9–10
Obstetrics
Dr. Lawson

10:15–12:15
Pediatrics
Children's Hospital
Dr. Ong
Sections

10:30–12
Medicine
Providence Hospital
Dr. Thompson
Sections

12–1
Tuberculosis Hospital
Dr. Tewksbury
Sections

1:30–2:45
Pediatrics
Children's Hospital
Dr. Donnally
Entire class except those at Oph. cl.

1–4
Ophthalmology
Episcopal Hospital

Emergency Hospital
Daily 10:15–1

Wednesday

8–9
Laryngology
Dr. Breeding

9–10
Orthopedics
Dr. Hall

10:15–12:15
Obstetrics
Sections

10:15–11:45
Orthopedics
Emergency Hospital
Dr. Shands
Sections

10:15–12:15
Gynecology
Garfield Hospital
Sections

12:30–2
E. N. & T.
Episcopal Hospital
Dr. Breeding
Sections

Providence Hospital
Daily except Wed. & Thurs.
Sections

Thursday

8:30–10
Medical Clinic
University Hospital
Dr. Randolph
Entire class

10:30–12:30
Heart Clinic
Gallinger Hospital
Dr. Lee
Sections

11:15–12:30
Obstetrics
Columbia Hospital
To Feb.1.
Drs. Lawson and Assts.
Sections

10:15–12
Surgery
Garfield Hospital
Dr. White to Jan. 1
Dr. Kerr after Jan. 1
Sections

1:45–3:45
Gynecology
Columbia Hospital
Dr. Lawson and Assts.

2–3
Neurology
Dr. Freeman
St. Elizabeth's Hospital
Sections

2–3
Psychiatry
St. Elizabeth's Hospital
Sections

2–3
Medical Clinic
St. Elizabeth's Hospital
Dr. Eldrige and Assts.
Sections

4–5
Psychiatry
St. Elizabeth's Hospital
Dr. White
Entire class

10:15–12
Fractures
Emergency Hospital
Dr. Leadbetter
Sections

10–12
Clinical Physiology
Dr. French
Sections

Friday

8–9
Surgery
Dr. White

9–10
Neuro-Surgical
Dr. Kerr
After Jan. 15

10:15–12:15
Orthopedics
Children's Hospital
Dr. C. L. Hall
Sections

10:15–12:15
Welfare Clinic
Children's Hospital
Dr. Broocks
Sections

1–2
Surgery
Providence Hospital
Dr. C. S. White
Sections

1–2
Roentgenology
Emergency Hospital
Dr. Coe
Sections

12:45–1:45
Dermatology
Children's Hospital
Dr. Simpson
Sections

1-4
Ophthalmology
Episcopal Hospital
Dr. W. T. Davis
Sections

Garfield Hospital
Daily 10:15–1
Sections

Saturday

8–9
Ophthalmology
Dr. Davis
To Feb. 1

9–10
Obstetrics
Dr. Lawson

10:30–12:30
Tuberculosis Hospital
Dr. Peabody
Sections

1–2
E. N. & T. University Dispensary
Dr. Tibbets
Sections

12:30–2:30
E. N. & T.
Episcopal Hospital
Dr. Breeding
Sections

1:30–2:30
Contagious Disease
Garfield Hospital
Sections

THE GEORGE WASHINGTON UNIVERSITY

BULLETIN

THE LAW SCHOOL
ANNUAL ANNOUNCEMENT
1929-1930

VOL. XXVIII No. 4

WASHINGTON, D. C.
PUBLISHED IN JULY
MCMXXIX
BY THE UNIVERSITY

CALENDAR OF THE LAW SCHOOL

1929-1930

1929		
September 21 to 24	*Saturday to Tuesday, both dates inclusive*	Registration days.
September 25	*Wednesday*	Academic year 1929-30 begins.
November 28 to 30	*Thursday to Saturday, both dates inclusive*	Thanksgiving Recess.
December 23 to January 1	*Monday to Wednesday, both dates inclusive*	Christmas Recess.
1930		
January 27 to February 1	*Monday to Saturday, both dates inclusive*	Mid-year examinations.
January 31 to February 1	*Friday and Saturday*	Registration days, second semester.
February 3	*Monday*	Second semester begins.
February 22	*Saturday*	Winter Convocation. Holiday.
April 14 to 19	*Monday to Saturday,*	Easter Recess.
May 29 to June 4	*Thursday to Wednesday, both dates inclusive*	Final examinations.
May 30	*Friday*	Decoration Day. Holiday.
June 8	*Sunday*	Baccalaureate Sermon.
June 11	*Wednesday*	Commencement.
June 13	*Friday*	Registration for Summer Session begins.
June 17	*Tuesday*	First Summer Term begins.
July 30	*Wednesday*	Registration for Second Summer Term begins.
July 31	*Thursday*	First Summer Term ends.
August 1	*Friday*	Second Summer Term begins.
September 13	*Saturday*	Second Summer Term ends.

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The PRESIDENT of the University, *ex-officio*, and the following persons by election:

1930

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Professorial Lecturer in Law.

THOMAS CLAFFEY LAVERY, A.B., LL.B.,
Visiting Professor of Law, Summer Session 1929.
The University of Cincinnati Law School.

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*Arranged, with the exception of the President and Dean, on the basis of collegiate seniority. The address is Washington, D. C., unless otherwise stated.

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Associate Justice.

REGINALD SHIPPEN HUIDEKOPER, LL.B., Wilkins Building.
Associate Justice.

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ELLIOTT DE JARNETTE MARSHALL, *Assistant to the Librarian.*
HEARST RANDOLPH DUNCAN, *Assistant to the Librarian.*

GENERAL INFORMATION

INTRODUCTORY STATEMENTS

The George Washington University Law School, established in 1826, discontinued somewhat later and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the school took part in the organization of the Association of American Law Schools, and has been a member of the Association since that time. In 1911 the school became co-educational. In 1924, in compliance with the requirements of the American Bar Association and of the Association of American Law Schools, the late afternoon course for employed students was increased to four years. On September 1, 1925, the entrance requirements also, in compliance with the requirements of the associations mentioned above, were increased to two years of college work. The school is approved by the Council of Legal Education of the American Bar Asociation. For over twenty years it has used the case method of instruction. Since September 1, 1925, it has occupied a new law building, designed and constructed for its use. This building has been named Stockton Hall in honor of the late Rear Admiral Charles H. Stockton, President of the University from 1910 to 1918. The building contains nine class rooms, library space with a maximum capacity of approximately forty thousand volumes, and ten offices for professors.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and other federal courts, the English Reprints and English Law Reports, the United States statutes, the statutes of several states, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading text books and legal periodicals.

The library is open from 9:00 A. M. to 11:00 P. M. on week days and from 2:00 to 6:00 P. M. on Sundays.

ACADEMIC YEAR

The academic year 1929-30 begins on Wednesday, September 25, 1929, and closes Wednesday, June 11, 1930.

The academic year is divided into two semesters, the second beginning Monday, February 3. In addition there is a summer session of two terms of six and a half weeks each. The summer session of 1929 will begin June 17, the second term beginning August 1.

Registration is permitted at the beginning of the second semester. First year students taking the late afternoon classes may enter at that time for a regular course of ten hours per week. Such students may, by attending the following summer session, complete most of the first year afternoon course. Other students may register for second semester subjects which they are qualified to take but not for year subjects.

Students who complete their work for the degree at the end of the first semester may be recommended for graduation at the mid-winter convocation February 22.

ADMISSION REQUIREMENTS

FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have completed before admission fifteen units of approved secondary school work, and at least two years, sixty semester hour credits, of approved college work. The completion of this work must be evidenced by proper certificates. In no case will a student be admitted conditioned in any part of the entrance requirement. An application for admission may be rejected on the ground of unsatisfactory scholarship in pre-legal studies.

The college work required for admission may be completed in Columbian College of The George Washington University. Applicants for such college work should communicate with the Registrar of the University, 2033 G Street Northwest.

Advanced Standing. Students from approved law schools may receive not more than two years' credit toward the degree of Bachelor of Laws for work done in such schools. Applicants for admission with advanced standing must file certified transcripts of record showing high school, college, and law credits. The right is reserved to refuse such credit, in whole or part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work.

FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must have at the time they register the degree of Bachelor of Arts or an equivalent degree from an approved college, and the degree of Bachelor of Laws or an equivalent degree from an approved law school. The two degrees must have been obtained in not less than six academic years.

SPECIAL STUDENTS

A limited number of persons who cannot qualify as candidates for a degree but who are over twenty-five years of age and because of their maturity, educational training and practical experience seem qualified to pursue the study of law, may be admitted by the Executive Committee of the Faculty as special students.

Candidates for admission as special students must file written applications setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by special students will not be counted toward the degree.

UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours per week.

APPLICATION FOR ADMISSION

Applications for admission and certificates of pre-legal study should be filed with the Secretary of The Law School not later than ten days before the registration period. Applications for admission with advanced standing should be filed with the Dean of the Law School not later than ten days before the registration period.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in The Law School until proper credentials have been filed and approved by the proper officers of The Law School. (See Admission, above.)

Without the approval of the Executive Committee no student shall be permitted to register in the second semester of a year subject until he has completed the attendance in the first semester of that subject.

In all cases where students are permitted to register in one semester of a year subject they must register for the other semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration is for the year unless otherwise indicated on the registration paper; no registration is accepted for less than a semester or a summer term.

Registration days for the academic year 1929-30 will be Saturday to Tuesday, September 21 to 24, both inclusive, and Friday and Saturday, January 31 and February 1. Except where special permission is given,

students must register on the regular registration days. A late registration fee of $5.00 will be charged each student who registers after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester or for a year subject after the first four weeks of the year.

Change of Registration. Registration may be changed only with the permission of the Dean. A fee of $2.00 will be charged for each change authorized after registration.

FEES

1. *University fee, per semester	$ 6.00
2. Tuition fee, per semester hour	8.00
Minimum tuition fee per semester	24.00
3. Graduation fee	15.00
4. Reinstatement fee	4.00
5. Late registration fee	5.00
6. Change fee	2.00
7. Fee for a special examination	10.00

FINANCIAL REGULATIONS

(a) All fees are payable at the Office of the Comptroller, 2033 G Street.

(b) No student is permitted to complete registration or to attend classes until he has paid all fees due.

(c) Fees for each semester are due and payable in advance at the time of registration.

(d) In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester hours may sign contracts for semester charges permitting installment payments as follows:

First Semester

One-third at the time of registration
One-third on November first
One-third on December first

Second Semester

One-third at the time of registration
One-third on March first
One-third on April first

(e) Students who fail to meet installment payments by the tenth of the month will be suspended, and may not attend classes until they have paid all accrued fees, a reinstatement fee of $4.00, and have been officially re-

*Students entering prior to the 1928 Summer Session pay $4.00 a semester.

instated. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean of The Law School.

(f) No student may register in The Law School who owes fees in any other Department of the University.

REFUNDS

No part of an installment payment shall be returnable. In no case will tuition be reduced because of non-attendance upon classes.

WITHDRAWALS

No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record.

SCHOLARSHIP LOAN FUNDS

Through the generosity of friends of the University a number of loan funds are available to students in The Law School. Among these is the Henry Strong–William A. Maury Scholarship Loan Fund, established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury.

Student loans and scholarships are administered by the University Committee on Student Loans and Scholarships. Applications should be made to the Registrar of the University, in accordance with instructions stated in the General University Catalogue.

PRIZES

The John Bell Larner Gold Medal. A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who has attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded in 1927-28 to Henry T. Kilburn.

Samuel Herrick Prize. A prize of twenty-five dollars cash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class, excepting the winner of the gold medal, who has attained the highest average grade in the work of the third year. Awarded in 1927-28 to James M. Castle, Jr.

The Ordronaux Prize Scholarship. A scholarship known as the "Ordronaux Prize Scholarship," is awarded annually to the student taking the regular

course who has attained the highest average grade in the work of the second year. This scholarship entitles the holder to free tuition to the extent of one hundred dollars during the year following its award. Awarded in 1927-28 to Charles V. Laughlin.

Ellsworth Prize. A prize of twenty-five dollars, called the "Ellsworth Prize," is offered by Mr. Fritz V. Briesen, for the best work in the subject of Patent Law Practice. Awarded in 1927-28 to Ralph H. Hudson.

ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in twenty-eight law schools the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." The George Washington University Chapter was established in 1926. Students are elected each year from the highest ranking ten per cent of the Senior Class of The Law School.

DEGREES

The degrees are Bachelor of Laws and Master of Laws.

Six Year Combined Course for the Degree of Bachelor of Arts and Bachelor of Laws. The University will confer the degree of Bachelor of Arts upon the completion of three years of college work and the first year in The Law School. (See Columbian College Announcement.) The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for the degree of Bachelor of Laws must satisfy the admission, residence, and scholarship requirements and complete the prescribed number of credits and required subjects.

Residence. The attendance requirement for this degree is three academic years for full-time students and four academic years for part-time students of which at least one academic year must be spent in residence at The George Washington University Law School.

Number of Credits. The credit requirement is eighty semester hours. A semester hour is an hour a week of class work for one semester.

Scholarship. The eighty semester hours of work required must be completed with an average grade of at least "C," and not more than sixteen hours with a grade of "D" may be counted toward the degree.

Required Subjects. The following subjects are required for the degree of Bachelor of Laws: 105, Common Law Actions; 111–112, Contracts; 124, Criminal Law and Procedure; 135, Personal Property; 137–138, Real Property I; 141–142, Torts; 163–164, Bills and Notes; 167, Common Law Pleading and Practice; 171–172, Equity II; 174, Equity Pleading and Practice; 177–178, Evidence; 187-188, Real Property II; 251–252, Constitutional Law; 257–258, Corporations; 281, Legal Ethics; 283–284, Moot Court.

Honors. The degree of Bachelor of Laws "With Distinction" will be awarded students who obtain an average grade of "A".

REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

Candidates for the degree of Master of Laws must complete twenty semester hours of work in subjects not counted toward the degree of Bachelor of Laws and must present a satisfactory thesis in a subject which has been counted toward the Master's degree.

Trusts, Conflict of Laws, Constitutional Law, and Roman Law must be included in the course for the degree of Master of Laws if not previously taken. No first year subject and no second year required subject may be counted toward this degree.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws.

Scholarship. Courses taken for the Master's degree must be completed with a grade of not less than "C" in each subject and with an average grade of not less than "B."

REGULATIONS REGARDING DEGREES

Non-continuous Attendance. Candidates absent for more than one continuous academic year may re-enter and continue their work only under the rules and regulations in force at the time of their return. The Executive Committee, however, may permit such students to continue their work under the entrance requirements in force at the time they were admitted to the School.

Right to Refuse. The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Application for Graduation. Application for graduation should be filed in the office of the Secretary at the beginning of the senior year.

HOURS OF INSTRUCTION

Hours. The regular course for full-time students is given from 9:00 A. M. until 1:00 P. M. Employed students may take the regular course in the classes held at 5:10 P. M. and 6:10 P. M.

Courses Offered. The statement of the courses of study offered will be found beginning on page 23.

REGULATIONS

AMOUNT OF WORK

A student who takes a majority of his courses in the full-time section, from 9:00 A. M. to 1:00 P. M., may with the permission of the Dean take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections or in classes held before 9:00 A. M., may not register for more than ten hours per week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when in the judgment of the Dean the best interests of the student require it.

GRADES

The grade of a student in each subject is indicated by the letter P, Pass; D, Conditional Pass; or F, Failed. The meaning of these grades is as follows:

P, Pass, means that the work has been successfully completed and full credit given for the subject.

D, Conditional Pass, means that credit is given for the subject but not more than sixteen semester hours of such credit may be counted toward the degree.

F, Failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year has received a grade of F in one subject only and obtained a general overage of C, may take the next regular examination in that subject, and if on such reexamination he attains the grade of C or better he will be given a grade of D (60) in the subject.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: A, excellent, 85–100; B, good, 75–84; C, pass, 65–74; D, conditional pass, 55–64; F, failure, below 55.

SCHOLARSHIP REQUIREMENTS

Unless a student in each academic year receives a grade above F in at least three-fourths of the semester hours in which he is registered and obtains a numerical average grade of not less than 60 he will be denied registration in the future, but upon written application to the Executive Committee, showing sufficient cause, he may be reinstated on such conditions as the committee may impose.

Graduation Requirement. See "Requirements for the Degree of Bachelor of Laws," page 16.

ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject.

In the case of absences exceeding ten per cent of the class hours and less than twenty-five per cent, these absences shall be added at the end of the academic year and for each fifteen hours of such absence the student's credit for the year shall be reduced by one semester hour. If a student is absent for more than twenty-five per cent of the classes in any subject he shall not be eligible to take the examination in that subject or to receive credit therefor. In all cases absences due to late registration shall be included.

CHANGES AND WITHDRAWALS

Changes in courses and withdrawals may be arranged *only in the office of the Dean or Secretary.* Unless this is done students will be treated as registered for the subjects shown on the original registration blanks and fees will be charged accordingly.

In no case will tuition fees be reduced because of non-attendance upon classes.

Withdrawals during a semester may be granted by the Dean upon *written application* setting forth reasons. See also page 15.

A fee of $2.00 will be charged for any change in courses after registration.

EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled, may take the next regular examination given in the subject.

No student shall be given an examination in nor permitted to receive credit in less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject he shall not take the examination in that subject until the other semester has been completed. If no regular examination in that subject is scheduled at the time the other semester is completed, then the student shall not be given a special examination but shall be required to take the next regular examination.

No special examinations will be given; provided, that upon written application to the Executive Committee, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take that examination, may, in the discretion of the committee, be given a special examination not less than sixty days after the one which he failed to take or to pass.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester hours of credit as follows:

First year to 27; Second year, 28 to 55; Third year, 56 or more.

UNIVERSITY REGULATIONS

The statement of the University regulations will be found in the University catalogue.

BOARD AND ROOM

Registers of rooms which have been inspected and approved are kept in the office of the Secretary for Women's Activities, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

All women students under twenty-three years of age must have their residence approved by the Secretary for Women's Activities, unless they are living with family or relatives. Registration is not complete until such approval is given.

HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University

officials the University attempts to keep informed as to all cases of sickness among its students, and sees that no one suffers from inattention, or the lack of proper care and treatment.

Medical privileges include: Three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation or X-ray examination; hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the regular school term, for 1928-1929, September 19 to June 12, both inclusive; necessity to be determined by the Director of the Health Administration. Duration of hospitalization (maximum two weeks) period is also to be determined by the Director of Health Administration.

(This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of the University registration fee.)

Students are allowed, if they so desire, to engage physician and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules:

1. The Director of Health Administration is empowered to limit or deny the medical benefits where in his discretion a student has by his misconduct or breach of the rules of the University made himself ineligible.

2. The Director of Health Administration has authority to determine the necessity and length of hospitalization.

3. Students who have severed their connection with the University are ineligible for medical benefits.

4. Students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester.

EMPLOYMENT

The University maintains an employment bureau which will assist students to find employment. Prospective students should have the means of support for at least half a year to give them time to secure positions.

Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue a limited course in the late afternoon.

For further information address:

The Appointment Office,
The George Washington University,
Washington, D. C.

STUDENT ACTIVITIES

Privileges. The following student activity privileges are included in the payment of the University fee charged all students:

1. Gymnasium privileges, including participation in intrauniversity athletic sports and the use of the University tennis courts.
2. The University Hatchet, the official student newspaper issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

Eligibility. No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the school or division in which he is registered may participate in student activities or represent the University on its athletic teams or other student activity.

In order to be eligible to represent the University in any activity, a student must be registered for at least 60 per cent of the number of hours constituting a full course in his department.

No student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a Varsity athletic team in an intercollegiate contest.

For catalogues, application blanks and further information, address:

The Dean of The Law School,
The George Washington University,
720 20th Street N.W., Washington, D. C.

COURSES OF INSTRUCTION

Note:—First year courses are numbered 101 to 150; second year courses, 151 to 200; third and fourth year courses, above 200. First semester courses are given odd numbers, 1, 3, 5, etc., and second semester courses even numbers, 2, 4, 6, etc. A course running throughout the year is given a double number, as, 101–102. The number of semester hours credit given in each course is indicated in parentheses, as, a year course giving twe hours credit each semester is marked (2–2). When a course is given in more than one section, the morning section is designated "A" and the afternoon section "B".

COURSES OF INSTRUCTION

FIRST YEAR SUBJECTS

101–102. *Agency* (2-2) Whiteside, Fryer
Seavey's Cases on Agency. Monday at 9:10 A. M. and Friday at 11:10 A. M. *Summer Session 1929*: Huffcut's Cases on Agency, Third Edition. First term, Monday to Friday inclusive, 5:10 and 6:10 P. M.

105. *Common Law Actions* (1) Van Vleck, Fryer, Hunter
Sunderland's Cases on Common Law Pleading. *Section A*, Wednesday at 12:10 P. M. *Section B*, Tuesday at 6:10 P. M. *Section C*, Tuesday at 5:10 P. M. *Summer Session 1929*: First term, first three weeks, Monday and Thursday at 5:10 P. M.; Monday, Wednesday and Thursday at 6:10 P. M.

111–112. *Contracts* (3-4) Moll, Fryer, Benson
Williston's Cases on Contracts. *Section A*, First semester, Monday and Wednesday at 11:10 A. M., and Tuesday at 9:10 A. M.; second semester, Tuesday at 9:10 A. M., and Monday, Wednesday and Thursday at 11:10 A. M. *Section B*, First semester, Wednesday at 5:10 P. M., and Thursday at 5:10 and 6:10 P. M. Second semester, Wednesday and Thursday at 5:10 and 6:10 P. M. *Section C*, First semester, Monday at 5:10 and 6:10 P. M., and Wednesday at 6:10 P. M.; second semester, Monday and Tuesday at 5:10 and 6:10 P. M. Special, second semester, Monday at 5:10 and 6:10 P. M., and Friday at 5:10 P. M.

124. *Criminal Law and Procedure* (3) Earnest, Hunter
Mikell's Cases on Criminal Law and Procedure. *Section A*, Wednesday at 9:10 A. M., Tuesday at 11:10 A. M., and Thursday at 12:10 P. M. *Section B*, Tuesday at 5:10 and 6:10 P. M., Friday at 6:10 P. M. *Section C*, Thursday at 5:10 and 6:10 P. M., and Friday at 5:10 P. M.

135. *Personal Property* (3) Spaulding, Arnold, Fryer
Larremore's Cases on Personal Property. *Section A*, Wednesday at 9:10 A. M., Tuesday and Thursday at 11:10 A. M. *Section B*, Tuesday at 5:10 P. M., and Friday at 5:10 and 6:10 P. M. *Section C*, Tuesday at 6:10 P. M., and Thursday at 5:10 and 6:10 P. M. *Summer Session 1929*: Warren's Cases on Property. First term, first three weeks, Tuesday, Wednesday and Friday at 5:10 P. M., Tuesday and Friday at

6:10 P. M.; second three weeks, Monday to Friday, inclusive, at 5:10 and 6:10 P. M.

137–138. *Real Property I* (2-2) Arnold
Bigelow's Cases on Rights in Land, Aigler's Cases on Titles. *Section A*, Thursday and Friday at 9:10 A. M. *Section B*, Friday at 5:10 and 6:10 P. M.

141–142. *Torts* (3-3) Collier, Hunter
Bohlen's Cases on Torts. *Section A*, First semester, Monday, Thursday and Friday at 12:10 P. M.; second semester, Monday, Wednesday and Friday at 12:10 P. M. *Section B*, First semester, Monday at 5:10 and 6:10 P. M., Wednesday at 6:10 P. M.; second semester, Monday at 5:10 and 6:10 P. M., and Friday at 5:10 P. M. *Section C*, First semester, Wednesday at 5:10 P. M., and Friday at 5:10 and 6:10 P. M.; second semester, Wednesday at 5:10 and 6:10 P. M., and Friday at 6:10 P. M. *Summer Session 1929*: (4) Second term, Monday to Friday, inclusive, 5:10 and 6:10 P. M.

SECOND YEAR SUBJECTS

163–164. *Bills and Notes* (2-2) Arnold
Campbell's Cases on Bills and Notes. *Section A*, Monday and Tuesday at 9:10 A. M. *Section B*, Monday at 5:10 and 6:10 P. M.

167. *Common Law Pleading and Practice* (2) Clephane, Hunter
Section A, Sunderland's Cases on Common Law Pleading. Wednesday at 9:10 A. M., Thursday at 11:10 A. M. *Section B*, Shipman on Common Law Pleading. Tuesday at 5:10 and 6:10 P. M.

169. *Damages* (2)
(Not given in 1929-30.)

170. *Domestic Relations* (2) Moll
Woodruff's Cases on Domestic Relations. *Summer Session 1929*: Second term, Tuesday to Saturday, inclusive, 7:45 to 8:35 A. M.

171–172. *Equity II* (2-2) Spaulding
Ames' Cases on Equity Jurisdiction, Volume I. *Section A*, Wednesday and Thursday at 12:10 P. M. *Section B*, Thursday at 5:10 and 6:10 P. M.

174. *Equity Pleading and Practice* (1) Clephane, Hunter
Section A, Hinton's Cases on Equity Pleading and Practice. Thursday at 11:10 A. M. *Section B*, Clephane on Equity Pleading and Practice. Tuesday at 5:10 P. M.

177–178. *Evidence* (2-2) Latimer, Fryer, Arnold
Hinton's Cases on Evidence. *Section A*, Thursday and Friday at 9:10 A. M. *Section B*, Monday at 5:10 and 6:10 P. M.

Summer Session 1929: Second term, Monday to Friday, inclusive, 5:10 and 6:10 P. M.

180. *Insurance* (2) Lavery
Woodruff's Cases on Insurance. *Summer Session 1929*: First term, Tuesday to Saturday, inclusive, 7:45 to 8:35 A. M.

182. *Legal Bibliography and Brief Making* (1) Hall, Miller
Section A, Wednesday at 9:10 A. M. *Section B*, Tuesday at 6:10 P. M.

184. *Mortgages* (2) Fryer
Campbell's Cases on Mortgages. Thursday at 5:10 and 6:10 P. M. *Summer Session 1929*: First term, Tuesday and Friday, 5:10 and 6:10 P. M., Wednesday at 5:10 P. M.

185. *Quasi-Contracts* (2) Moll
Thurston's Cases on Quasi-Contracts. *Summer Session 1929*: Second term, Monday and Thursday, 5:10 and 6:10 P. M., Wednesday at 5:10 P. M.

187–188. *Real Property II* (2-2) Oppenheim
Aigler's Cases on Titles. *Section A*, Monday and Friday at 12:10 P. M. *Section B*, Thursday at 5:10 and 6:10 P. M. *Summer Session 1929*: First term, Monday to Friday, inclusive, 5:10 and 6:10 P. M.

191–192. *Sales* (2-2) Oppenheim
Williston's Cases on Sales (3rd Ed.). *Section A*, Tuesday and Wednesday at 10:10 A. M. *Section B*, Wednesday at 5:10 and 6:10 P. M.

197. *Water Rights* (2)
(Not given in 1929-30.)

THIRD AND FOURTH YEAR SUBJECTS

209. *Administrative Law* (2) Benson
Freund's Cases on Administrative Law. Thursday at 5:10 and 6:10 P. M.

217. *Admiralty* (2) — Alden
Lord and Sprague's Cases on Admiralty Jurisdiction and assigned readings. Wednesday at 5:10 and 6:10 P. M.

220. *Bankruptcy* (2) — Brandenburg
Tuesday at 5:10 and 6:10 P. M.

221–222. *Conflict of Laws* (2-2) — Van Vleck
Beale's Cases on Conflict of Laws, Second Edition. *Section A*, Thursday at 10:10 and 11:10 A. M. *Section B*, Thursday at 5:10 and 6:10 P. M.

251–252. *Constitutional Law* (2-2) — Collier
Hall's Cases on Constitutional Law. *Section A*, Wednesday at 11:10 and Friday at 10:10 A. M. *Section B*, Tuesday at 5:10 and 6:10 P. M.

257–258. *Corporations* (2-2) — Benson
Warren's Cases on Corporations. *Section A*, Monday at 10:10 A. M., and Tuesday at 11:10 A. M. *Section B*, Friday at 5:10 and 6:10 P. M.

271. *Equity III* (2) — Spaulding
Ames' Cases on Equity Jurisdiction, Volume II. *Section A*, Monday and Friday at 11:10 A. M. *Section B*, Tuesday at 5:10 and 6:10 P. M.

274. *Extraordinary Remedies and Legal Tactics* (1) — Clephane
Monday at 6:10 P. M.

275. *Federal Procedure* (2) — Brandenburg
Hopkin's Judicial Code (3rd Ed.). Tuesday at 5:10 and 6:10 P. M.

279-280. *International Law* (2-2) — Spaulding
Scott's Cases on International Law. Friday at 5:10 and 6:10 P. M.

281. Legal Ethics — Clephane, Earnest
Six hours of lectures at the second, third, and fourth sessions of the Moot Court.

283–284. *Moot Court* (2-2) — Clephane, Earnest, Latimer, Hall
Prerequisite: Law 167 (Common Law Pleading and Practice), Law 174 (Equity Pleading and Practice), and Law 177-178 (Evidence). *Section A*, Saturday at 9:10 and 10:10 A. M. *Section B*, Wednesday at 5:10 and 6:10 P. M.

285. *Municipal Corporations* (2) Lavery
Tooke's Cases on Municipal Corporations. *Summer Session 1929*: Second term, Tuesday and Friday at 5:10 and 6:10 P. M., Wednesday at 6:10 P. M.

286. *Organization of Corporations* (1) Clephane
Clephane on Organization and Management of Corporations. Monday at 5:10 P. M.

288. *Partnership* (2) Spaulding
Crane and Magruder's Cases on Partnership. *Section A*, Monday and Friday at 11:10 A. M. *Section B*, Tuesday at 5:10 and 6:10 P. M.

289–290. *Patent Law (Substantive) and Patent Office Practice* (2-2) Sutton
Monday at 5:10 and 6:10 P. M.

291–292. *Patent Moot Court* (2-2) Smith
Wednesday at 5:10 and 6:10 P. M.

294. *Property III* (2) Arnold
(Not given in 1929-30.)

296. *Public Utilities* (2) Benson
Burdick's Cases on Public Utilities (2nd Ed.). Saturday at 5:10 and 6:10 P. M.

297. *Roman Law* (2) Moll
Sohm's Institutes of Roman Law (Ledlie's Translation); Pound's Readings in Roman Law. Monday at 5:10 and 6:10 P. M.

298. *Suretyship* (2) Arnold
Arant's Cases on Suretyship. Wednesday at 5:10 and 6:10 P. M.

299. *Taxation* (2) Collier
Beale's Cases on Taxation. Saturday at 5:10 and 6:10 P. M.

301–302. *Trusts* (2-2) Moll
Scott's Cases on Trusts. Friday at 5:10 and 6:10 P. M.

303–304. *Wills and Administration of Estates* (2-2) Oppenheim
Costigan's Cases on Wills. Monday at 5:10 and 6:10 P. M.

THE RECORD

OF

THE LAW SCHOOL

1928-1929

DEGREES CONFERRED

BACHELOR OF LAWS

June 13, 1928

JOHN QUINCY ADAMS ..... New York
RAYMOND DEAN ALLISON ..... Utah
FRANK ARMSTRONG ..... Utah
HERNDON RINE ATHEY ..... West Virginia
JOSEPH PENNINGTON BAILEY ..... District of Columbia
KERN GRANT BEASLEY ..... Indiana
A.B. 1924, Indiana University
LEO BENDER ..... Maryland
A.B. 1924, The George Washington University
LAWRENCE JAMES BLACKMAR ..... New York
A.B. 1918, Syracuse University
RALPH HERMAN BRAUNER ..... Maryland
B.S. in M.E. 1924, The George Washington University
VERNON HARCOURT BREWSTER ..... Illinois
B.S. 1923, Northwestern University
KENNETH HENTHORNE BRUNER ..... Indiana
A.B. 1926, The George Washington University
EDWARD STUART BUSHONG ..... Maryland
A.B. 1924, Davis and Elkins College
JAMES MANDERSON CASTLE, JR. ..... Pennsylvania
B.S. in Chem. 1924, University of Pennsylvania
(With Distinction)
WILLIAM SNYDER CHANDLER ..... District of Columbia
RALPH MILTON CHESLEY ..... Iowa
B.S. 1926, Syracuse University
ADLAI STEVENSON COBLE ..... District of Columbia
M.E. 1915, Cornell University
BEVERLY MOSBY COLEMAN ..... District of Columbia
Graduate, 1922, U. S. Naval Academy
PAUL TRAUGER CULBERTSON ..... Kansas
Ph.B. 1923, Yale University
GALE TAYLOR CUMMINGS ..... Virginia
MEREDITH MAHLON DAUBIN ..... Missouri
PAUL DOUGLAS DINGWELL ..... Rhode Island
Graduate, U. S. Naval Academy
JOHN JOSEPH DOLAN ..... District of Columbia
A.B. 1923, Princeton University
HARRISON FISHER DURAND ..... South Dakota
A.B. 1926, Yankton College
(With Distinction)
LOIS EARSEMAN ..... Pennsylvania
A.B. 1915, Mt. Union College
WILLIAM ROBINSON EPES ..... Maryland
B.S. in M.E. 1915, Virginia Polytechnic Institute
JOHN HENRY ESCH ..... Wisconsin
A.B. 1926, University of Wisconsin
WALTER OGDEN EVANS ..... Kentucky
A.B. 1923, The George Washington University
EDWARD S. W. FARNUM, JR. ..... Pennsylvania
JOSEPH HOWARD FLINT ..... New York
B.S. in Chem. 1920, Cornell University
WENDELL W. FORBES ..... Iowa
A.B. 1922, University of Iowa
HAROLD NEWMAN FREDERICKS ..... Minnesota
ROBERT HENRY N. GEISLER ..... California
CARL GLENN GILLILAND ..... District of Columbia
Graduate, 1912, U. S. Naval Academy
JAMES JOSEPH GRAHAM ..... District of Columbia
Graduate, U. S. Naval Academy
HAROLD NATHAN GRAVES ..... Illinois
A.B. 1908, Knox College
WILLIAM LIPPINCOTT HANAWAY ..... New Jersey
B.S. 1921, Rutgers College
MATTHEW ELTING HANNA, JR. ..... District of Columbia
A.B. 1925, Yale University

HOWARD GALLEMORE HARTZOG ..... Texas
A.B. 1926, Baylor University
NEAL NORTON HERNDON ..... District of Columbia
CHARLES EDWIN HERRSTROM ..... Massachusetts
B.S. 1924, Massachusetts Institute of Technology
CYRUS VINCENT HOAGLUND ..... Minnesota
ETHEL HODGES ..... Kentucky
JOHN HOXIE ..... New York
B.S. 1925, Massachusetts Institute of Technology
(With Distinction)
CHARLES ROBERT HRDLICKA, JR. ..... Nebraska
A.B. 1926, University of Nebraska
FANNIE MAY HUFF ..... Tennessee
A.B. 1911, Carson and Newman College
A.M. 1916, Carson and Newman College
JOSEPH ALEXANDER KAUFMANN ..... Virginia
A.B. 1926, The George Washington University
BOLIVER EDWARDS KEMP, JR. ..... Louisiana
JOHN CLARK KETCHAM, JR. ..... Michigan
A.B. 1927, The George Washington University
HENRY THOMAS KILBURN ..... District of Columbia
B.S. 1916, Columbia University
(With Distinction)
JAMES ROBERT KIRKLAND ..... Delaware
A.B. 1927, The George Washington University
DANIEL MILTON LADD ..... North Dakota
OLLIE LEE LEWIS ..... District of Columbia
A.B. 1917, The George Washington University
Sc.M. 1920, The George Washington University
JACOB BEN LIGHTMAN ..... District of Columbia
GEORGE VARNUM LOVERING ..... Massachusetts
HAROLD EDGAR LUBER ..... District of Columbia
A.B. 1927, The George Washington University
EMERY LONGFELLOW MALLETT ..... Maine
A.B. 1923, Bowdoin College
NATHAN MARMELSTEIN ..... Ohio
B.S. in Ch.E. 1922, Case School of Applied Science
LEWIE GRIFFITH MERRITT ..... District of Columbia
B.S. 1917, The Citadel
HENRY HERBERT MERRY, JR. ..... Maine
A.B. 1922, Bowdoin College
IRA PALMER MILLER ..... Pennsylvania
WADE HAMPTON MITCHELL ..... District of Columbia
MAURICE MILTON MOULE ..... Michigan
A.B. 1924, University of Michigan
WILLARD GRAVES MCGRAW ..... Maryland
RICHARD KERENS MCPHERSON ..... Missouri
A.B. 1926, The George Washington University
WILLIAM ADNEY MCSWAIN ..... South Carolina
B.S. 1925, University of South Carolina
FANNEY NEYMAN ..... Montana
ARTHUR H. NORDSTROM ..... Virginia
JAMES CHARLES PALMER ..... District of Columbia
CLARENCE LEROY PARKER ..... District of Columbia
A.B. 1924, Princeton University
EDMOND WEST PARKINSON ..... Idaho
B.S. 1924, Brigham Young University
CHARLES JEFFERSON PARRISH ..... Maryland
Graduate, 1913, U. S. Naval Academy
ROY ALBERT PORTERFIELD ..... Missouri
B.S. 1911, University of Kansas
M.S. 1913, University of Kansas
C.E. 1916, University of Kansas
MOSES LOGAN RICH ..... Utah
B.S. 1925, Utah Agricultural College
ERNEST RUSSELL ..... Virginia
A.B. 1923, Emory and Henry College
PAUL RUTHEISER ..... New York
CHARLES MCKINLEY SAMMONS ..... California
CHARLES EVERETT SHREVE ..... District of Columbia
ROBERT MCCLELLAN SIMONDS ..... District of Columbia
B.S. 1924, Massachusetts Institute of Technology

George Harold Souther ..... Massachusetts
Paul Prosser Stoutenburgh ..... Ohio
A.B. 1923, Johns Hopkins University
John Preston Swecker ..... Virginia
Ruth Catherine Tech ..... Indiana
Sewell Van Alstine ..... Iowa
A.B. 1926, State University of Iowa
Homer Deal Walker ..... Texas
Karl Edward Wasmuth ..... New York
Byrle Albert Whitney ..... Iowa
A.B. 1923, State University of Iowa
William Warren Whitson ..... District of Columbia
Robert Hilary Winn ..... Maryland

October 18, 1928

Sarah Catherine Bryant ..... Kentucky
Robert Burns Cartwright ..... New Mexico
A.B. 1923, University of New Mexico
Felix Cole ..... District of Columbia
A.B. 1910, Harvard University
Daniel George Cullen ..... District of Columbia
B.S. in M.E. 1924, Tufts College
Robert Gardiner Dillaway ..... Montana
A.B. 1903, University of Michigan
Augustus Immanuel Hasskarl ..... Nebraska
Elmer Cornelius Holt ..... North Dakota
Albert Hubschman ..... New Jersey
(With Distinction)
Henry John Klinge ..... District of Columbia
Paul Franklin de Bruyn Kops ..... North Dakota
Willard Edwin LaRosa ..... Illinois
Vincent Alexander Lutkiewitz ..... District of Columbia
Marshall Hancock Lynn ..... District of Columbia
B.S. 1922, University of Virginia
Aram Der Manuelian ..... New York
B.S.1920, University of Vermont
Morrow Harris Moore ..... District of Columbia
A.B. 1925, The George Washington University
Clarence James Nelson ..... Iowa
Christopher A. Ray ..... Rhode Island
Theodore Thomas Shields ..... Minnesota
Richard Southerne Shreve, Jr. ..... Virginia
B.S. in M.E. 1924, The George Washington University
William Henry Stanton ..... District of Columbia
A.B. 1925, The George Washington University
John Albert Tillema ..... District of Columbia
A.B. 1914, Hope College; A.M. 1917, University of Michigan
Ph.D. 1924, Washington University
Francis Everett Van Alstine ..... Iowa

February 22, 1929

Samuel B. Avis ..... West Virginia
Bernice Saunders Bowden ..... Virginia
William Theron Carruth ..... California
Samuel P. Cowley ..... Utah
B.S. 1925, Utah Agricultural College
Leo Edward Flaherty ..... Indiana
B.S. in E.E. 1924, Rose Polytechnic Institute
Edwin Bernard Gary ..... District of Columbia
Alfred Martin Gladstein ..... Oklahoma
Leland Stanford Hedgecock ..... Tennessee
B.A. 1924, University of Tennessee
Charles McClean Johnston ..... Michigan
A.B. 1924, Wabash College
Franklin Jerome Lunding ..... North Dakota
Dwight Lynn McCormack ..... Illinois
Earl LeNoir Packer ..... Utah
A.B. 1921, The George Washington University
John Lawrence Seymour ..... District of Columbia
B.S. in Chem. Eng. 1923, University of Maine
William Frederic Sonnekalb, Jr. ..... New Jersey
B.S. 1925, Massachusetts Institute of Technology
Harley Alvin Watkins ..... Ohio
A.B. 1928, Defiance College
Harold Brainerd Willey ..... Virginia

MASTER OF LAWS

June 13, 1928

HENRY OSBOURN ALLEN ..... Virginia
LL.B. 1924, The George Washington University

ROBERT D. MURPHY ..... Wisconsin
LL.B. 1920, The George Washington University

ROBERT BRUCE MCKNIGHT ..... Utah
LL.B. 1927, The George Washington University

PETER PAUL PEEBLES ..... Virginia
A.B. 1924, College of William and Mary
A.M. 1925, College of William and Mary
B.S. 1925, College of William and Mary
LL.B. 1924, College of William and Mary

EDWARD LEE POTTER ..... Virginia
A.B. 1910, Washington and Lee University
LL.B. 1927, The George Washington University

RAY VAN COTT, JR. ..... Utah
LL.B. 1927, The George Washington University

February 22, 1929

ERNEST H. OLIVER ..... Utah
LL.B. With Distinction, 1925, The George Washington University

MASTER OF PATENT LAW

June 13, 1928

GEORGE CECIL SPEERS ..... Canada
A.B. 1908, University of Manitoba
A.M. 1913, University of Manitoba
LL.B. 1913, University of Manitoba

REGISTER OF STUDENTS

Names of students who have either withdrawn or graduated are indicated by stars (*); those who have entered since January, 1928, by daggers (†).

CANDIDATES FOR THE DEGREE OF MASTER OF LAWS

Carlson, George Russell — D. C.
LL.B. 1924, DePaul University

Dickson, Cyril Porter — Colo.
A.B. 1927, LL.B. 1928, University of Denver

†Hamilton, William Greene — Ark.
A.B. University of Arkansas; LL.B. 1924, The George Washington University

†Harden, Fred Geer — Nebr.
A.B. 1907, A.M. 1908, University of Nebraska; LL.B. 1919, The George Washington University

Harris, Howard Dodds — Ohio
LL.B. 1926, The George Washington University

†Herr, George Swartz — Pa.
A.B. 1926, LL.B. 1923, The George Washington University

†Hopping, Louis M. — Ill.
A.B. 1924, LL.B. 1927, The George Washington University

Hosmer, Charles Bridgham — Me.
LL.B. 1911, University of Maine

Kirkland, James Robert — Del.
A.B. 1927, LL.B. 1928, The George Washington University

Landrum, Carl Richmond — Mo.
LL.B. 1925, University of Oklahoma

Mersch, Victor Sylvester — D. C.
A.B. 1925, The George Washington University; LL.B. 1923, Georgetown University

Morina, Ferdinando — D. C.
LL.B. 1925, The George Washington University

*Oliver, Ernest H. — Utah
LL.B. 1925, The George Washington University

Shalowitz, Aaron Louis — Md.
LL.B. 1926, Georgetown University

†Simpson, Vivian Virginia — D. C.
A.B. 1925, LL.B. 1927, The George Washington University

Smith, Ardis Adela — Iowa
A.B. 1923, LL.B. 1927, The George Washington University

Swecker, John Preston — Va.
LL.B. 1928, The George Washington University

*Tillema, John Albert — D. C.
A.B. 1914, Hope College; A.M. 1917, University of Michigan; Ph.D. 1924, Washington University; LL.B. 1928, The George Washington University

CANDIDATES FOR THE DEGREE OF BACHELOR OF LAWS

THIRD YEAR

Abramowitz, Morris — Conn.

Arick, Ned William — Ind.
A.B. 1926, Wabash College

*Avis, Samuel Brashear — W. Va.

Barber, Leight Fuller — Md.
A.B. 1926, Harvard University

Barley, J. Frank — Ill.

Barrick, Charles Wade — Ill.

Barrow, Clarence R. — Calif.

Baughman, Wilbur Norman — Fla.
B.S. 1926, University of Pennsylvania

Bendheim, Leroy Schwarz — Va.
A.B 1928, The George Washington University

Bentley, Fay Louise — Ill.
Ph.B. 1918, University of Chicago

Blackman, Harold Stephen — Mo.
A.B. 1922, Missouri State Teachers College

Bogorad, Samuel — D. C.

*Bowden, Bernice Saunders — Va.

†Box, John Calvin, Jr. — Tex.
A.B. 1928, The George Washington University

Brand, Vance — Ohio

Brandt, George Franklyn — Tenn.

Brown, Lynn H. — Kans.
A.B. 1923, University of Kansas

Bryan, Henry Eugene — Ohio

Callister, Reed Eddington — Utah

Cannon, John Quayle, Jr. — Utah

Carey, Stephen Jay — D. C.

*Carruth, William Theron — Utah

Casanova, Arturo Ynocencio — D. C.
B.Sc. in C.E. 1922, Carnegie Institute of Technology

Casteel, Elizabeth Gall — D. C.

Cavanaugh, Ernest Denning — N. C.
A.B. 1921, Duke University; M.A. 1926, The George Washington University

Cherbonnier, Andre Victor — Md.
Graduate, 1921, U. S. Naval Academy

Churchwell, William Henry — Mont.

*Clagett, John Francis — Md.
A.B. 1923, University of Maryland

Clark, Rollin Marlmeston — N. J.
B.S. in M.E. 1920, University of Pennsylvania

Cochran, Philip James — W. Va.
A.B. 1922, West Virginia University

Coe, Allen — Md.
A.B. 1927, The George Washington University

Cogswell, Richard Upton — N. H.
Ph.B. 1925, University of Vermont

*Cowley, Samuel P. — Utah
B.S. 1925, Utah Agricultural College

Crews, Maurice Augustus — D. C.
A.B. 1926, The George Washington University

Croggon, Mary Esther — D. C.

Cullen, William G. — Okla.
A.B. 1916, University of Oklahoma

*Davies, Ronald Norwood — N. Dak.
A.B. 1927, University of North Dakota

Davison, Clarence Clarke — N. J.

Dinwoodey, Charles Dean — Idaho
A.B. 1925, University of Utah

Donaldson, Kenneth — D. C.
C.E. 1924, Lehigh University

Donovan, Lucile — Ind.

Doyle, James Henry — N. Y.
Graduate, 1920, U. S. Naval Academy

*Dunham, Paul Overing — Wis.
B.S. 1924, University of Wisconsin

*Earl, Donald Edward — Minn.
B.S. 1924, M.S. 1925, University of Minnesota

Elliott, Henry Harold — D. C.
B.S. in Econ. 1920, University of Pennsylvania

Entriken, Samuel Everett — D. C.

Esch, Mark Fidal — Wis.
A.B. 1926, Hamilton College

Farmer, Harold Osborne — Ill.

*Flaherty, Leo Edward — Ind.
B.S. 1924, Rose Polytechnic Institute

Freebairn, Melvin — Utah
B.S. 1925, University of Utah

Friedrich, Charles — N. Y.

Fulghum, James H. — Ga.
A.B. 1926, Mercer University

Gamble, John Donald — D. C.

*Gary, Edwin Bernard — Md.

*Gates, Hobart Hare — S. Dak.

Gilbert, Morgan MacMurrough — D. C.
A.B. 1927, The George Washington University

*Gladstein, Alfred Martin — Okla.

Goldberg, Morton George — D. C.

Goldstein, Harry Samuel — D. C.
A.B. 1926, The George Washington University

Golub, Morris — N. Y.

Goodman, Guy H. — Md.
Ph.B. 1911, Yale University

Gorn, Elmer Joseph — Conn.
B.S. in E.E. 1925, Yale University

Grossman, Raymond Mondell — Ill.

Groton, Edwin Ralph — Md.
A.B. 1925, Western Maryland College

Haig, Robert Van Rensselaer — D. C.
B.S. 1921, University of Maryland

Hansen, Willard Milton — Utah

Harper, Hoyt Benjamin — Ill.

Haug, Richard — N. Y.
A.B. 1928, Cornell University

*Hedgecock, Leland Stanford — Tenn.
B.A. 1924, University of Tennessee

Hill, Harry Duremus — Ind.

Hill, Sherman Russell — D. C.

Hodges, Louis Ogle — D. C.

Hudson, Ralph Hoskens — D. C.
Graduate, 1922, U. S. Naval Academy

Hyatt, Lena Rose — D. C.

James, Sidney — N. Y.
B.S. 1924, College of the City of New York

Jarrett, Fred Thomas — Pa.
A.B. 1926, University of Michigan

*Johnston, Charles McClean — Mich.
A.B. 1924, Wabash College

Johnston, LaDow — Ohio
A.B. 1925, University of Kansas

Kail, Benjamin Morton — Pa.

King, Howard Allen — Ind.
A.B. 1927, University of Indiana

Knapp, Lawrence A. — S. Dak.
A.B. 1925, Yankton College

Koiner, David Randolph — Va.

Kreek, Louis Francis — Mo.

LaFont, Harold Mathews — Mo.

Laughlin, Charles Vaill — Iowa

Lawrence, Thomas Linwood — D. C.

Leasure, Charles Edward — D. C.
B.S. in C.E. 1921, Catholic University

LeClercq, Frederic Kellogg — S. C.
A.B. 1916, A.M. 1921, Oxford University

Levin, Nathaniel — N. J.
M.E. 1925, Lehigh University

Levine, Samuel — D. C.

Little, Leroy — Wis.
B.S. in Eng. 1924, University of Minnesota

Long, Lyman Lee — Md.
A.B. 1924, Western Maryland College

Lopeman, Charles Theodore — Ohio

Lovett, John Willis — D. C.

*Lunding, Franklin Jerome — D. C.

Lyman, Albert — Idaho

Lyons, Robert Donlan — S. Dak.
A.B. 1921, University of Wisconsin

Manian, Jacob Arzo — Mass.
S.B. in E.E. 1924, Massachusetts Institute of Technology

Manship, Winfield Scott — Conn
A.B. 1886, Wesleyan University; B.D. 1889, Ph.D. 1891 Yale University

Martin, Charles Franklin — S. C.
B.S. 1910, College of Charleston; Graduate, 1914, U. S. Naval Academy

Merritt, Ella Arvilla — D. C.
A.B. 1903, M.A. 1905, The George Washington University
Michener, Lawrence Records — Ind.
Milenky, Joseph D. — Conn.
A.B. 1927, The George Washington University
Milwee, R. Frank — D. C.
Minnis, Phi.ip Allen — Ind.
B.S. in M.E. 1925, Rose Polytechnic Institute
*Mullee, Raymond G. — N. Y.
Murphy, John Damian — D. C.
Mushake, William Ira — D. C.
B.S. in C.E. 1923, The George Washington University
McClellan, Irvin Richard — Ind.
*McCormack, Dwight Lynn — Ill.
McCormick, Homer L. — Okla.
McCrea, John Livingstone — Mich.
Graduate, 1915, U. S. Nava Academy
McIntyre, Alfonso Everett — N. C.
McKnight, John Oakey — N. Y.
A.B. 1926, Yale University
Neilson, Preston Matt — Utah
B.S. in Commerce, 1925, Agricultural College of Utah
Nervo, Luis Padilla — D. C.
Neviaser, Arnold Harry — D. C.
Neville, George Waddell — Miss.
A.B. 1923, University of the South
Packer, Earl LeNoir — Utah
A.B. 1921, The George Washington University
Parker, Norman Douglas, Jr. — D. C.
E.E. 1925, Lehigh University
Pay, Clifford Thomas — S. Dak.
Pennoyer, Ralph Gilbert — Calif.
Graduate, 1914, U. S. Naval Academy
Perry, Edward Benjamin — Wis.
Phelps, Marian Brooks — Ohio
A.B. 1923, Oberlin College
Plumley, Allan Rudolph — Vt.
B.S. in Chemistry, 1923, Norwich University
Porter, Clarence Henry — D. C.
M.E. 1925, Lehigh University
Prevost, Marcel Mallet — D. C.
A.B. 1927, The George Washington University
Redford, Carroll Morris — Ky.
Reed, Albert C. — D. C.
B.S. 1922, University of Delaware
Reichmann, Owen G. — Utah
B.S. 1924, University of Utah
Rhodes, Cooper Burnett — D. C.
A.B. 1925, Dartmouth College
Riley, Edwin Archer — Mo.

Robertson, John Reynolds — D. C.
Robertson, Louis — Md.
A.B. 1927, University of Michigan
Rogers, Otho Larkin — Miss.
A.B. 1928, The George Washington University
Rollins, Milton — N. Y.
Romney, Junius Stowell — Utah
Sakis, George Panagiston — D. C.
Saks, Theodore — D. C.
Sanders, Gwynn — Ohio
*Seymour, John Lawrence — N. Y.
B.S. in Chem. Eng. 1923, University of Maine
Shaw, Edwin Brenton — N. C.
A.B. 1926, University of North Carolina
Shuey, Herman Jay — D. C.
A.B. 1917, Dickinson College
Sightler, Septimus Bonham — Md.
A.B. 1926, Virginia Military Institute
Sinsel, Rupert Alston — W. Va.
*Sonnekalb, William Frederic, Jr. — N. J.
A.B. 1925, Massachusetts Institute of Technology
Strickland, George Henry — Mass.
Suran, Raymond Cade — Okla.
Tarleton, Gilbert Plympton — Mass.
Thompson, Edgar — Mo.
B.S. 1891, M.S. 1895, A.M. 1897, Drury College; M.D. 1893, St. Louis University
Thompson, Edgar Kirkby — S. C.
A.B. 1925, The Citadel
*Thomson, Earl Henry — Mass.
Towles, Francis Joseph — S. C.
Underwood, Richard Laskey — D. C.
Vernon, Weston, Jr. — Utah
B.S. 1925, Agricultural College of Utah
Wade, William James — Ill.
Walker, Charles Lewis — D. C.
Ward, Charles Allen — Tenn.
B.S. in C.E. 1912, University of Tennessee
*Watkins, Harley Alvin — Ohio
A.B. 1928, Defiance College
Watts, William Henderson — Ga.
Ph.B. 1926, Emory University
Wefald, Knut Magnus — Minn.
A.B. 1923, St. Olaf College
Weigle, George Eustace — Ind.
Wells, Hermon Joseph — Utah
A.B. 1916, University of Utah
Whitehouse, Joe George — N. Mex.
Whiting, Charles H. — S. Dak.
Will, John Geoffrey — N. Y.
*Willey, Harold Brainerd — D. C.
Williford, Imogene — Miss.
Yochelson, Irving Bernard — D. C.
Zeydel, Walter Hugh — N. J

SECOND YEAR

Albrecht, Karl J. — Minn.
B.S. 1925, University of Minnesota
Allshouse, David Samuel — Pa.
Amiss, Bernard LaSalle — Va.
*Anding, Henry Moore — Iowa
Andrus, Lucian Miller — D. C.
B.S. 1924, Michigan Agricultural College

Arellano, Arsenio Yanza — P. I.
Armstrong, Stuart Morton — N. Mex.
Aronoff, Julius — D. C.
A.B. 1928, The George Washington University
Bailey, Thomas Jennings, Jr. — D. C.
A.B. 1926, Princeton University
Barile, Ralph — N. J.

Barnes, Maurice Runnels — Utah
B.S. 1924, University of Utah
Barnes, Wilbur James — Md.
M.E. 1915, Cornell University
Barrow, Wylie Winfield — D. C.
B.S. 1926, Roanoke College
Bassler, William Sidney — D. C.
A.B. 1923, The George Washington University
Beach, Charles Clarke — Md.
A.B. 1927, University of Maryland
Beardsley, Charles Harrison — Mich.
B.S. in Eng. 1926, University of Michigan
Biebel, Lawrence B. — Pa.
B.S. in E.E. 1927, University of Pittsburgh
Boone, Paul — Fla.
A.B. 1921, Vanderbilt University
*Bothwell, Fordyce Argo — D. C.
E.E. 1925, Syracuse University
Bradley, William Cheney — Ohio
Brill, Isadore — D. C.
Britt, James Edward — N. C.
B.S. in M.E. 1924, North Carolina State College of Agriculture and Engineering
Brookhart, Smith W. Jr. — Iowa
Brookley, Zelpha Catherine — Ohio
A.B. 1916, Miami University
Brown, Thomas Hayward — Miss.
Browne, James Keith — Mont.
A.B. 1925, State University of Montana
Burton, Lawton — Okla.
Camp, Thomas Lee — Ga.
A.B. 1925, Oglethorpe University
Campbell, Marion — D. C.
A.B. 1928, The George Washington University
Cantrell, Walter Thurman — Okla.
B.E.E. 1916, University o Arkansas
Chambers, Justice Marion — W. Va.
Churbuck, Lewis Marshall — Mass.
Clagett, Charles William — Md.
Cohen, Raymond W. — Md.
B.E. in E.E. 1926, Johns Hopkins University
Conner, Norman Hampton — D. C.
B.S. 1924, University of Virginia
Coulston, Clemency King — D. C.
Coulter, Eliot Brewster — D. C.
Litt.B. 1914, Princeton University; A.M. 1915, Harvard University
Cox, Elizabeth M. — D. C.
Crofts, Leroy Arthur — Wyo.
Crouter, Earl Clinton — Wyo.
A.B. 1928, The George Washington University
Curtis, Donald — Mass.
Graduate, 1918, U. S. Naval Academy
Davis, Jack Hayne, Jr. — S. C.
B.S. 1925, The Citadel
Dent, George Brewer — Nebr.
Dickerson, Francis Arthur — Pa.
B.S. in E.E. 1918, Pennsylvania State College

Dodd, Harold — N. Y.
Graduate, 1912, U. S. Naval Academy; M.S. 1924, Columbia University
Dodds, Lawrence Briggs — Colo.
B.S. 1925, University of California
Dugger, Ralph Loring — Ill.
B.S. 1926, University of Illinois
Earl, Marion Bradley — Nev.
B.S. 1922, University of Utah
Eberly, Daniel Christian — D. C.
Edgerton, Justin Lincoln — Va.
Elliott, John Carl — Ga.
Fenander, Edmund Albert — Calif.
B.S. 1926, University of California
Fessenden, John Stirling Spaulding A.B. 1926, Ohio Wesleyan University — Ohio
Fichter, Ralph John — Ind.
Flack, Murray Marion — D. C.
A.B. 1927, The George Washington University
*Flint, Frank Miles — D. C.
Ph.B. 1927, Brown University
Frazier, Vernon Allan — N. Dak.
Freehof, Hyman Bennett — D. C.
B.S. in C.E. 1927, The George Washington University
Frisbie, Karl Friedlin — N. J.
Futterer, Charles — D. C.
Gates, Eliot Young — Utah
A.B. 1927, University of Utah
Geniesse, Eugene William — D. C.
B.Sc.E. 1920, M.S. 1924, University of Michigan
Gibson, Lloyd Camden — Tex.
B.S. 1917, West Virginia University
Giese, Oscar William — Fla.
Ginberg, Louis — D. C.
Glover, George Francis — D. C.
Gnam, Carl Albert — Iowa
B.A. 1926, The State University of Iowa
Goldman, Joseph — D. C.
Griffith, George Oscar — W. Va.
A.B. 1922, West Virginia University
Grossberg, Solomon — D. C.
*Grutzik, Frank Edward — Wis.
Hall, Clyde Webster — Ind.
B.S. in M.E. 1925, Purdue University
Hall, Liston Fleming — Ala.
Harrell, Rogers Edward — D. C.
Hayes, Jack — D. C.
A.B. 1926, The George Washington University
Heath, Dudley Everson — D. C.
B.Sc. in E.E. 1926, Rutgers College
Highsmith, Jasper H. — Ga.
Hill, William Sasscer, Jr. — D. C.
A.B. 1927, University of Maryland
Hittson, Harker Henry — Calif.
B.S. 1926, University of Illinois
Hoffman, James Thomas — Pa.
B.S. in E.E. 1926, University of Pittsburgh
Holland, Mary Josephine — Mass.
A.B. 1922, Tufts College

Hollett, George Lyon — Ill.
A.B. 1909, Yale University
*Holther, David Key — Utah
Horwitz, Jean Sylvia Himmelfarb — D. C.
A.B. 1924, The George Washington University
Houghton, Joseph York — Mass.
B.S. 1926, Massachusetts Institute of Technology
Howe, Ramon Raphael — Ind.
B.S. in E.E. 1925, Purdue University
Hufford, Harold Emery — Ind.
Hutchison, Earl Wedderburn — Pa.
B.S. 1916, University of Wisconsin
Ingle, Albert Laurens — Miss.
Jansen, Elsie Bradford — D. C.
A.B. 1927, Wellesley College
Johnson, Albert Kimball — Vt.
B.S. 1927, University of Vermont
Johnson, Edward Claude — Va.
A.B. 1924, College of William and Mary
†Jones, William Theron — Utah
Joslin, Hiram Millard — Iowa
A.B. 1922, Coe College
Keegin, Stafford Warwick — D. C.
A.B. 1924, Dartmouth College
King, Angus Stanley — Va.
B.S. 1926, College of William and Mary
King, Karl Vernon — Utah
Kinney, Alfred Adolphus — Idaho
B.A. 1921, University of Idaho
Kirkham, Francis Robison — Utah
Kitchens, Wade Hampton, Jr. — Ark.
A.B. 1927, University of Arkansas
Lachowicz, John Stanley — Conn.
B.S. 1922, M.A. 1923, Wesleyan University
Lackmann, Luella Irene — D. C.
A.B. 1919, Cornell University
Lamphere, Phineas Harold — Mont.
B.S. in E.E. 1927, University of Idaho
Langford, Jack Livingston — Ark.
Ph.B. 1926, University of Chicago
Langshaw, Gertrude — Mich.
Lassagne, Theodore Hawley — Ill.
Latimer, Julian Lane, Jr. — D. C.
A.B. 1927, Antioch College
Lee, Robert Edward — D. C.
Leighey, Robert A. — Ohio
LeRoy, Claude — N. Y.
E.E. 1924, Cornell University
Lewis, Raymond Daniel — D. C.
Graduate, 1923, U. S. Naval Academy
Lindsay, Lowry — S. C.
A.B. 1927, Wofford College
Lockwood, Katharine Robb — D. C.
Loose, Park Hoffman — D. C.
A.B. 1927, Dickinson College
Lovewell, Newton Nehemiah — Wis.
Luce, Clifton Hadley — D. C.
Lyons, J. Leonard — Ga.
A.B. 1925, Emory University
Mahoney, Charles E. — Mass.
Malone, William Morgan — D. C.
Manian, Joseph Charles — D. C.
B.S. 1926, Massachusetts Institute of Technology
Marshall, Elliott DeJarnett — Va.
*Marshall, St. Julien Ravenel — D. C.
A.B. 1924, Virginia Military Institute
Maxwell, Alan Chase — Iowa
A.B. 1927, University of Iowa
Maze, Charles Adams — Ark.
Mendenhall, Paul — Ind.
Mong, Clair Burket — Pa.
Monk, George Edward — D. C.
A.B. 1928, The George Washington University
Moore, John Harold — Tex.
B.S. 1928, University of Oregon
Moorhead, Ruth — Pa.
B.S. 1922, Simmons College
Morrow, Charles Robert — Ky.
Muir, Joseph Johnstone — Md.
Murphy, Howard Meredith — D. C.
Murphy, James Russell — Kans.
McCoy, Jess James — W. Va.
McDonald, John Duncan — D. C.
McEldowney, Grace Cornelia — D. C.
A.B. 1918, Smith College
McInnis, Walter L. — Ala.
B.S. 1928, University of Alabama
*McKee, Elliott Bates — D. C.
A.B. 1926, Yale University
McLaughlin, Robert Enoch — D. C.
Neff, Paul Raymond — Ohio
B.Sc. 1923, Heidelberg College; M.A. 1927, The George Washington University
Noble, Moss — Ky.
A.B. 1927, Berea College
Nystrom, Harold Charles — S. Dak.
A.B. 1926, University of South Dakota
O'Brien, Perry Emmet — W. Va.
B.S. 1921, West Virginia Wesleyan College
O'Brien, Ruth — D. C.
B.Sc. 1914, M.A. 1915, University of Nebraska
O'Connor, Joseph Louis — D. C.
A.B. 1926, The George Washington University
Parry, Edmund Hurlburt, Jr. — D. C.
A.B. 1926, Harvard University
Patterson, Donald Gillis — N. H.
Peck, Philip Van Wagenen — D. C.
A.B. 1927, University of Pennsylvania
Pedersen, Marcus Jeppesen — D. C.
Peterson, Erik George — Kans.
A.B. 1928, The George Washington University
Pettry, Wirt Hayes — W. Va.
Pisarra, Angelo Marion — N. Y.
C.E. 1926, Rensselaer Polytechnic Institute
Pollard, Charles Phillips — Va.
B.S. 1925, College of William and Mary
Pomeroy, Floyd Stanley — Ill.
Poteet, John Wilmer, Jr. — Md.
B.E. 1926, Johns Hopkins University

Prangley, Arthur George, Jr. — D. C.
B.S. 1925, University of Maryland
Proctor, Robert Finis — Ala.
A.B. 1927, Georgetown College, Ky.
Raley, Irving James — D. C.
Rapp, Leslie Manfred — Iowa
Reed, John Robert — Md.
Reed, William Inge, Jr. — D. C.
Rees, William Chevers — D. C.
Reese, Roy Dahlquist — D. C.
Robertson, James Louis — Idaho
Robertson, Robert Hayes — Ill.
A.B. 1927, Wabash College
Rosenburg, Everett Reynolds — N. Y.
E.E. 1924, Rensselaer Polytechnic Institute
Sanborn, John Albert — D. C.
B.S. in M.E. 1926, University of Maine
Schramm, Frederic Bernhard — D. C.
B.S. in E.E. 1925, Case School of Applied Science
Schuttler, Norman Nedwin — Idaho
B.S. in E.E. 1927, University of Idaho
Scrivener, Samuel, Jr. — D. C.
Engineer of Mines, 1927, Lehigh University
Seitzick, Ruth Sarah — D. C.
Shanner, Charles Thomas — D. C.
Shapiro, Arthur — Md.
B.Eng. 1921, Johns Hopkins University
Sheldon, Clifford Arthur — Iowa
Shriver, Harry Clair — Pa.
Simmon, Glenn — Okla.
B.S. 1927, Oklahoma Agricultural and Mechanical College
Simons, Macon McCorkle — N. C.
Sipkin, George — N. Y.
Smith, Allan Edward — D. C.
Graduate, 1915, U. S. Naval Academy
Smith, James Lee — D. C.
B.S. in C.E. 1917, Iowa State College
Snider, Richard Leslie — Calif.
Snow, William James, Jr. — Utah
Spaulding, Augusta deLaguna — D. C.
A.B. 1912, A.M. 1913, University of California
Speer, Larken — Tex.
*Spencer, Kenneth Wheeler — D. C.
Stanford, Joel Gibson — N. Y.
E.M. 1925, The Colorado School of Mines
Steenrod, Virginia Ruth — Ohio
Strain, John — D. C.
Strauss, Edward — Conn.
Stukes, James Edward — Ga.
Stukes, Lionel Chalmers — Ga.

Summers, Lionel Morgan — D. C.
B.S. 1927, Princeton University
Terrell, Richard Alfred — D. C.
Thompson, Irvin Stewart — D. C.
B.S. in Chem. Eng. 1927, The George Washington University
Thompson, Samuel Craig — Ohio
A.B. 1916, Miami University, Oxford, Ohio
Titcomb, Oliver Stanley — Mass.
Titus, Harold Hill — Wis.
Tonkin, Allen Manson — Okla.
A.B. 1926, University of Oklahoma
Torrey, Morgan Caywood — D. C.
Tullar, Irving Meredith — Ill.
A.B. 1915, Albion College; A.M. 1916, Columbia University
Turnbull, John Gordon — Pa.
B.A. 1926, Hamilton College
Uhler, Theodore Clay — D. C.
B.S. in Econ. 1917, University of Pennsylvania
Vandegrift, William Addison — Md.
Vinskey, Henry Joseph — D. C.
Ward, Lewis Hall — D. C.
Warnick, Patrick Jennings — W. Va.
A.B. 1927, University of Kentucky
Watson, Kenneth Nicoll — D. C.
A.B. 1928, The George Washington University
Wheaton, Clare Alan — D. C.
White, John Turner — D. C.
White, Maude Ellen — Ohio
Whitmer, Robert Rudolf — Pa.
B.S. 1926, Washington and Jefferson College
Wilkerson, Thomas Nesbitt, Jr. — N. Mex.
Williams, Victor Francis — Me.
A.B. 1927, Bowdoin College
*Williams, Sylvan Harold — Ohio
Willis, Thomas George — Colo.
A.B. 1925, Colorado College
Wilson, Gordon Kase — Pa.
A.B. 1926, The George Washington University
Wilson, J. Russell — Ala.
B.S. 1926, Alabama Polytechnic Institute; M.S. 1927, The George Washington University
Wobensmith, Zachary Taylor, II — Pa.
B.S. in M.E. 1927, University of Pennsylvania
Woodruff, Ralph Waldo — Pa.
A.B. 1920, A.M. 1921, Susquehanna University
Wrightson, James Owens — D. C.
A.B. 1923, Dickinson College
*Yates, Dwight Randolph — W. Va.

FIRST YEAR

†Albracht, Carl Edwin — Tex.
A.B. 1927, University of Michigan
Alewine, William Maurice — Pa.
*†Allen, Ezra Griffen — D. C.
Graduate, 1907, U. S. Naval Academy

†Allen, Philip Harper — Pa.
A.B. 1923, West Texas State Teachers College; M.S. 1926, University of Iowa
Alseen, Myrtle Frances Carolyn — Minn.
A.B. 1922, The George Washington University

Armstrong, John Wesley — N. Mex.
A.B. 1927, University of New Mexico
Armstrong, Robert Harman — W. Va.
Asmuth, Minnie Louise — D. C.
Baer, Louis Henry — N. Y.
Ch.E. 1927, Rensselaer Polytechnic Institute
Baker, Ralph Samuel — Del.
A.B. 1928, University of Delaware
Baldwin, Joseph Addison — Mich.
A.B. 1919, Albion College
Baldwin, Joseph Lyle — Va.
A.B. 1928, Roanoke College
Bartsch, Henry Guerdrum — D. C.
Bassett, John Earl — D. C.
Bays, William Webb — D. C.
A.B. 1904, Washington and Lee University
Beasley, Albert Ferrett — Ala.
Beck, Flossie Arizona — Ill.
†Beelar, Donald Casper — Oreg.
B.A. 1928, University of Oregon
†Benedict, Ronald Henry — Mich.
†Bergert, Earl Melvin — Ohio
B.S. in M.E. 1928, Carnegie Institute of Technology
Berry, Charles Oscar — D. C.
Bishop, Harold Albert — Ill.
A.B. 1926, Bradley Polytechnic Institute
†Black, Henry Franklin — Vt.
B.S. 1928, Norwich University
Bohn, Theodore Roosevelt — Utah
B.S. 1928, University of Utah
Bordner, Leon Taylor — Wis.
Boyd, Helen Marie — D. C.
A.B. 1927, University of Wisconsin
Boyer, James Barnes — D. C.
B.S. in E.E. 1928, Pennsylvania State College
Bradley, James Blake — D. C.
Brandon, James Elliott — W. Va.
A.B. 1928, Bethany College
Branson, Joseph Holmes, Jr. — D. C.
A.B. 1927, Harvard University
Braucher, Samuel Cober — Pa.
A.B. 1928, Bucknell University
Brewer, Joe Robinson — Ark.
A.B. 1927, Hendrix College
Brown, Lucy Williams — D. C.
Brown, Mary Agnes — N. H.
A.B. 1924, The George Washington University
Brown, Robert Washington — Ark.
A.B. 1916, University of Arkansas
Buchler, Milton — D. C.
B.S. in M.E. 1925, University of Michigan
Buckley, Donald Morgan — Ill.
Bulman, Joseph — D. C.
Burns, Robert Elmer — Wyo.
B.S. 1928, University of Wyoming
Cameron, Edwin John — D. C.
B.S. 1920, Massachusetts Institute of Technology; Ph.D. 1927, The George Washington University
Campbell, Alexander Phillips — Pa.
Campbell, Colin — Va.
Graduate, 1917, U. S. Naval Academy
Caplan, Max — D. C.
Carpenter, Samuel Raymond — Utah
Carton, John Hazelton — Mich.
A.B. 1928, Antioch College
Cawood, R. Hamilton — Md.
A.B. 1926, Pomona College
†Chernoff, Bernard Menace — Conn.
A.B. 1924, Yale University
Christopher, Clyde Burroughs — Mich.
Churchwell, Dorothy Joy Burns — D. C.
Clapper, Emory Walling — Pa.
Clark, Chester Ray — D. C.
A.B. 1923, Kentucky Wesleyan College
Clayton, Harry Webb, Jr. — N. Y.
Cluster, Loren Lee — Ill.
Coatsworth, John Wallace — S. Dak.
A.B. 1928, Dakota Wesleyan University
Cocchiaro, Paul Appollonio — W. Va.
*Coe, Bryan — D. C.
A.B. 1928, The George Washington University
Cohen, Benjamin — Conn.
†Colbert, Alice — D. C.
A.B. 1926, The George Washington University
†Cole, Mary Josephine — D. C.
A.B. 1927, The George Washington University
Collins, Stanley Newcomb — Mass.
A.B. 1925, Bowdoin College
Colvin, James William — D. C.
Conlon, Walter Joseph — S. C.
A.B. 1926, The Citadel
Conradis, Albert Earl — D. C.
A.B. 1923, Cornell University; M.B.A. 1926, University of Pensylvania
Crigler, Thomas Botts, Jr. — Ind.
Cross, John Walker — Kans.
Crum, Harry Watson — Pa.
B.S. 1924, Princeton University
Cunningham, John — Iowa
Dickinson, L. Call — Iowa
*Dietz, John Edward — D. C.
Dorsey, Harryman — D. C.
†Drowns, Allen Crawford — Va.
Duncan, Hearst Randolph — Iowa
Dunnington, Frank Patterson, Jr. — Md.
Dutton, Lillian Bertha — D. C.
A.B. 1926, The George Washington University
Earnest, James Murrin — D. C.
B.S. 1927, Alabama Polytechnic Institute
*Edwards, James Morris — Md.
A.B. 1923, Wabash College
Edwards, Malcolm Melbourne — Ind.
A.B. 1926, Wabash College
†Edwards, William Griffith, Jr. — N. Y.
B.S. in E.E. 1927, University of Colorado
Ehrmantraut, Catherine Ada — D. C.
Elvove, Kady — Ky.
Enyart, Byron K. — Ind.
Epstein, Reuben — N. Y.
B.S. 1926, College of the City of New York

Ewald, Sterling Donald — Ky.
B.S. in M.E. 1924, University of Wisconsin

Falls, John Rankin — N. C.
A.B. 1928, Davidson College

Ferguson, Milton Carr — W. Va.
A.B. 1924, West Virginia University

†Fitzsimmons, Richard Raymond — Pa.
B.S. 1924, Carnegie Institute of Technology

*Fleischman, Charles — Conn.

Fleming, William Wright — D. C.

*Flemming, Arthur Sherwood — N. Y.
A.B. 1927, A.M. Ohio Wesleyan University

Flournoy, William Walton — Fla.
A.B. 1928, University of Florida

Foster, Henry Lockwood — D. C.

Fowler, Robert Edward — N. Y.
E.E. 1926, Cornell University

Frazier, Dean Edward — Mo.

*Frey, Clarence William — Pa.

Friedman, Melvin Hillard — D. C.
B.S. in E.E. 1928, The George Washington University

*†Fuquay, Leon McLeod — N. C.

Gable, Raymond Edgar — Pa.

†Garber, Martin Dudley — Okla.

Gasch, Oliver Herman — Va.
A.B. 1928, Princeton University

Gates, Lawrence Merle — Pa.

*Gaydash, George Gregory — Ohio

†Gignilliat, John McIver — Ga.

†Gillespie, Frank Smith — Ill.

Goodwin, Robert Kingman — Iowa
A.B. 1928, Drake University

†Gott, Mildred Seymour — D. C.
A.B. 1928, Trinity College

Graff, Herbert — D. C.
A.B. 1908, University of Michigan

Graves, James Millar — Mass.
B.S. 1927, M.A. 1928, Harvard University

Greenbaum, Herman — Del.

†Grove, George Bowers — W. Va.
B.S. 1928, Roanoke College

†Grove, Roy — Iowa
B.A. 1928, State University of Iowa

Grubb, Katherine Mary — Ala.
A.B. 1928, Smith College

†Gullett, James Gordon — Ill.

*Hagan, Margaret Wood — Va.
A.B. 1919, Salem College, N. C.

*Hale, Frank Connell — Tex.

Hannah, Paul Francis — D. C.
B.S. 1927, Dartmouth College

Hardy, Karl Jack — Utah
A.B. 1927, University of Utah

†Harris, George Alexander — Del.

Harris, Ralph Percival — N. Y.
A.B. 1928, The George Washington University

*Harrison, William Henry — D. C.

Hatch, Douglas Lorenzo — Nev.

Hathaway, Carson Christal — Mo.
A.B. 1916, Park College; A.M. 1926, The George Washington University

†Hayes, Elizabeth Bosley — Md.
B.S. 1928, Ohio Wesleyan University

Hearn, Wilfred Asquith — Md.

Heckert, Ernest Leroy — Pa.
A.B. 1928, Albright College

Hefferman, John Baptist — Ind.
Graduate, 1917, U. S. Naval Academy

†Hillis, Haston Franklin — Ind.

Hodges, Harris Hamlin — Md.

†Holden, William Sutherland — Idaho

*Holland, Frank — Ga.

Hoover, Charles Jackson — Mo.

Hotchkiss, Edwin Lyman — Mich.
B.S. 1928, Michigan College of Mining and Technology

Hotchkiss, Eugene Bishop — Mich.
B.S. 1928, Michigan College of Mining and Technology

Houser, Harold Alexander — D. C.
Graduate, 1921, U. S. Naval Academy

Howard, Andrew — Mo.
A.B. 1928, Drury College

Hunt, Margaret Clarke — D. C.

Hunter, Rollin Ankeny — Iowa

Ishler, William Russell — Pa.
B.S. 1921, Pennsylvania State College

Jackson, Charles Horatio, Jr. — Tex.

Jackson, John Wingfield — D. C.
B.S. 1928, University of Pennsylvania

Jamieson, William Edward — Ind.

†Jardine, William Nebeker — Kans.

Jemison, William Zimmerman — D. C.

Johns, Llewellyn James — D. C.
Graduate, 1921, U. S. Naval Academy

Johnson, Ervin George — Calif.
B.S. 1927, University of California

Johnston, Everett Dale — Ohio
A.B. 1927, The George Washington University

Joyce, Ralph Fairbanks — Pa.
A.B. 1927, Allegheny College

Joynt, John Howard — Va.
B.S. in E.E. 1925, Carnegie Institute of Technology; M.S. in E.E. 1928, Massachusetts Institute of Technology

Kampe, Albert Henry — Mich.
B.S. in C.E. 1924, The George Washington University

Keiper, Francis Pitman — N. Y.
A.B. 1927, E.E. 1928, Cornell University

Keitt, William Lawrence — Tex.
A.B. 1926, University of Texas

Keller, William Huestis, 2nd — Pa.
A.B. 1927, Pennsylvania State College

*Kendrick, Hilary Herbert — Fla.

Keough, Paul Hamilton — D. C.

Kieferle, George Raymond — Pa.

King, Charles Leonard — Mo.

*Kirchoff, William Frederick — Ark.

Kirk, Charles Roger — Ohio

Klatzkin, Morris Aaron — D. C.

Knighton, Joseph Wilson — Md.
B.S. 1917, St. Johns College

Kulp, Howard Gilbert, Jr. — N. J.

Langford, George Frank — N. Y.
M.E. 1927, Stevens Institute of Technology

†Lavender, William — Ill.
A.B. 1928, Augustana College
*Leckie, John Gould — Md.
B.E. 1928, The Johns Hopkins University
LeGates, Eber Thomson — Del.
B.S. in E.E. 1928, University of Delaware
Levin, Leon — N. J.
A.B. 1928, Lehigh University
*Levy, Irving — Conn.
†Listerman, Wayne Lieberth — Ky.
A.B. 1928, Miami University
Littlehales, George Reber — D. C.
B.S. 1923, Princeton University
Littlepage, Thomas Price, Jr. — D. C.
Livingston, Stanton Knowlton — D. C.
A.B. 1922, Columbia University
†Logsdon, DeEarle Monroe — Ind.
†Longyear, Robert Dudley — D. C.
A.B. 1918, Harvard University
Ludwig, Robert Eugene — W. Va.
A.B. 1926, The George Washington University
Martin, George Bernard — Kans.
†Mathers, Lewis John — Ohio
A.B. 1925, Marietta College
†Medill, Thomas James, Jr. — Ill.
Mermelstein, Milton Emanuel — N. J.
Miller, Bruce Ervin — Ohio
Miller, William Jones — Md.
Monfort, James Brown — Ohio
*†Moore, Byron Stanley — Ind.
Moore, William Leonard — Ohio
A.B. 1927, Antioch College
Morgan, Jack Charles — W. Va.
A.B. 1928, Marshall College
Morgan, Stephen Ray — Ohio
A.B. 1924, Ohio University
Morris, John Carless — N. Y.
E.E. 1926, Cornell University
Morris, Rayson Pasco — Idaho
B.S. in E.E. 1928, University of Idaho
Muth, George Edward — D. C.
McCandless, David Alexander, Jr. — Ky.
*McCoole, James Henry — Mass.
†McInnis, Marcellus — D. C.
B.S. 1928, University of Alabama
*McIntire, James Marvin — Ky.
McKay, David Lawrence — Utah
A.B. 1926, University of Utah
Nattkemper, Louis David — Ind.
Neff, Ralph Alexander — Ohio
A.B. 1928, Ohio Wesleyan University
Nevius, Richard David — D. C.
Newman, Charles Albert — W. Va.
Nicholson, Donald Lon — Pa.
A.B. 1928, Bucknell University
Nold, Marie Cuthbertson — Minn.
A.B. 1919, The George Washington University
†Norris, Henry Gladden — La.
*Norris, John Gilbert — D. C.
†Norton, Ben Cole — Fla.
B.S. 1925, Georgia Institute of Technology
O'Brien, Walter Matthew — Mass.
B.S. in Chem. Eng. 1927, Tufts College
O'Brien, William Talbot — W. Va.
A.B. 1926, West Virginia Wesleyan College
Oldham, Albert Henry — Ohio
Olsen, Ole Joseph — D. C.
Olson, Frank Montague — Utah
Orbison, Robert Henry — Ind.
†Parker, Albert Marcus — N. J.
B.S. in M.E. 1928, University of Maine
Parker, James Clarence, Jr. — D. C.
*Parrish, Eldon Maton — W. Va.
Parsons, George Samuel, Jr. — Colo.
Parsons, William Herbert — D. C.
Payne, William Burbridge — W. Va.
†Pell, Robert Thompson — D. C.
A.B. 1924, Harvard University
Perry, Albert Walter — Fla.
†Peterson, Thomas Hardin — Tex.
Philbrick, Howard Reginald — Wash.
B.S. 1928, Oregon State Agricultural College
†Pierce, Carrah Ola — Miss.
B.S. 1913, Mississippi State College for Women
Popham, Kenneth Robert — Mont.
Powers, Irwin Richard — Mass.
Prentiss, Helen Louise — D. C.
Prince, Darius Finley — Tenn.
A.B. 1925, Maryville College
Quijano, Juan R. — P. I.
*Reed, Thomas James — Miss.
Reynolds, James David — Nebr.
Rice, Julius Herbert — Pa.
†Riddle, David Lindsay — Kans.
†Rinehart, Theodore A. — Okla.
†Roach, Jessie Dean — Ill.
A.B. 1924, The George Washington University
Rosoff, Leo — Mass.
Rowe, Lionel Lewis — Va.
Graduate, 1914, U. S. Naval Academy
Rowland, Clifford Carlyle — N. C.
A.B. 1924, University of North Carolina
Rupert, J. Allison — Pa.
A.B. 1927, Ohio State University
Russell, George Lucius — Vt.
Graduate, 1921, U. S. Naval Academy
†Rutter, Janet Goodwin — D. C.
Ryan, George Joseph — Mass.
Ryan, Thomas John — D. C.
Graduate, 1920, U. S. Naval Academy
Rypinski, Jacob Emanuel — N Y
Engineer of Mines, 1910, Columbia University
Sample, Lloyd Erle, Jr. — W Va.
A.B. 1928, West Virginia University
Sanders, Robert Crockett — W. Va.
Schaeffer, Paul Eugene — W. Va.
Schedler, Carl Robert — Okla.
B.S. 1927, Oklahoma Agricultural and Mechanical College
Schnauffer, Patrick McGill — Md.
A.B. 1928, Washington College, Maryland
Schrader, Milward Cecil — Kans

Schulz, Hugo Otto — N. J.
M.E. 1927, Stevens Institute of Technology
Scott, Arnold Eden — Utah
Seaton, Warren — Iowa
A.B. 1926, State University of Iowa; A.M. 1927, Harvard University
Seers, Joseph Deodat — Mass.
Segal, Abe Ray — Minn.
*Seletski, Joseph Benedict — D. C.
Graduate, 1920, U. S. Naval Academy
Shaffer, Harry Hunter — Tex.
*Shapiro, Alexander — D. C.
B.S. 1915, College of the City of New York
Shapiro, Jack Charles — D. C.
Shapiro, Lewis Harrison — D. C.
†Sharp, Freeman Wilfred — D. C.
Shaw, Richard Waring — Kans.
Shelton, Charles Latimer — Md.
B.S. 1928, University of Maryland
†Sherwood, William Earl — Ky.
B.S. in M.E. 1927, University of Kentucky
Shure, Fred Malcolm — Conn.
Simmons, Marcellus Culmer — Utah
A.B. 1928, The George Washington University
Simpson, Eugene Hassett — D. C.
B.S. 1925, University of California
*Smith, Arthur Albert — Me.
B.S. 1928, University of Maine
Smith, Frank DeLarme — D. C.
B.S. in M.E. 1925, Harvard University
Smith, Jesse Robinson — Utah
*Smith, Margery Alice — Iowa
A.B. 1927, Grinnell College
†Smith, Ray Leonel — D. C.
B.S. in E.E. 1924, Kansas State Agricultural College; M.A. 1927, The George Washington University
†Snure, Anne — Md.
A.B. 1928, The George Washington University
Snyder, Thomas Miller — N. C.
Spangler, George Wilt — Pa.
A.B. 1927, The George Washington University
*Staggers, Vernon Andrew — W. Va.
Stearns, Robert Maynard — Iowa
*Steinmiller, Adelbert Alfred — D. C.
B.E.E. 1926, Ohio State University
Stephens, Thomas — D. C.
B.S. 1928, University of Maryland
Stickel, Carl Albert — Ohio
B.M.E. 1927, Ohio State University
*Stone, Cecil Walker — Okla.
B.S. 1926, Oklahoma Agricultural and Mechanical College
Stone, Charles Parker, Jr. — D. C.
A.B. 1923, Yale University
*Strahorn, Charles Albert — Md.
A.B. 1928, Washington and Lee University
†Strizak, Joseph Peter — Ind.
B.S. in E.E. 1928, Carnegie Institute of Technology
Styner, Truman Leonard — Idaho
B.S. in E.E. 1928, University of Idaho
Sullivan, Thomas Alan — S. Dak.
†Sutherland, John Harbottle — W. Va.
B.S. in E.E. 1926, Virginia Military Institute
†Swinburne, Arthur Francis — D. C.
*Tarver, Malcolm Connor, Jr. — Ga.
A.B. 1928, University of Georgia
†Tashof, Leon Anthony — D. C.
Taylor, Alfred Lindsay — N. Y.
E.E. 1923, Rensselaer Polytechnic Institute
Taylor, Dwight D. — Wash.
Taynton, Mark — Calif.
B.S. 1924, University of California
Tendler, Max Melville — D. C.
Terry, George McGrew — Okla.
†Thulemeyer, Lawrence Carrington — Wyo.
Toye, Francis Gerald — Wash.
B.S. in E.E. 1927, Clarkson College of Technology
Trilety, O. Edward — Nebr.
A.B. 1928, The George Washington University
Turner, Bedford Hackett, Jr. — Md.
Tweedale, Ralph Landon — N. Y.
*Vandenberg, Arthur Hendrick, Jr. — Mich.
A.B. 1928, Dartmouth College
Van Dyke, Lawrence Adelbert, Jr. — Utah
†Van Houten, Scranton Coit — Ill.
B.S. 1924, McKendree College
Van Meter, Kenny Chambers, Jr. — W. Va.
Vernon, Clinton DeWitt — Utah
†Volkert, Mona Henrietta — Wis.
Ph.B. 1926, University of Chicago
von Dachenhausen, George A. — D. C.
Walker, Walter Kennedy — Utah
Wallenstein, Sidney — Ohio
B.S. in Chem. Eng. 1928, Case School of Applied Science
†Walsh, Leonard Patrick — Wis.
Walz, August Frederick — Del.
A.B. 1928, University of Delaware
†Warren, Robert Sumner — La.
*Watt, Merrill Worthing — Ohio
B.S. 1920, Kansas State Agricultural College
*Weinstock, Nathan — Pa.
West, George Chester — Me.
A.B. 1928, Colby College
Westby, George Newton — Wash.
B.S. in E.E. 1927, University of Washington
Whitehurst, Frank Elmore — Tex.
A.B. 1927, Southern Methodist University
Wick, John Borden — N. J.
Wight, Donald Miller — D. C.
M.E. 1923, Lehigh University
†Wilkins, Gordon Armstrong — Va.
A.B. 1926, University of Richmond
Willner, Warren Hall — D. C.
Wilson, Lee Roy — Ky.
Winningstad, Olaf Phillips — Calif.

Wise, William Harvey — D. C.
Woodcock, Virgil Eldon — D. C.
B.S. 1927, Oregon State Agricultural College
Woolf, Edward Magruder — D. C.
Yaffe, Simon — N. Y.
E.E. 1925, Rensselaer Polytechnic Institute
†Young, Malcolm McInnis — N. C.
A.B. 1926, University of North Carolina
Young, Ralph Rowland — Ohio
B.S. in E.E. 1924, Ohio Northern University
Young, Truman Richards — Utah

UNCLASSIFIED STUDENTS

*Athey, Herndon Rine — W. Va.
†Berg, Moncure Burke — D. C.
B.S. 1927, Princeton University
Bowling, Joseph Raphael — La.
*Brown, Ammi — D. C.
A.B. 1897, A.M. 1902, Harvard University
*Campbell, Quincy Alexander — Ohio
B.C.E. 1920, Ohio State University
†Cornish, Willis Alverson — D. C.
B.Litt. 1924, Columbia University
Foster, Louise Trimble — Mo.
B.A. 1918, Millikin University
†Jensen, Mark Alfred — Wash.
S.B. 1928, Harvard University
†Parker, Henry Cole — D. C.
B.S. 1915, Kalamazoo College; M.A. 1916, Ph.D. 1920, Clark University

SPECIAL STUDENTS

Alger, Charles — Ind.
Atherholt, Gordon Meade — D. C.
Chmillon, Otto H. — D. C.
†Claffy, Thomas Hughes — D. C.
Cullen, Elizabeth — D. C.
Donnell, Emerson Bradford — D. C.
Eastlack, John Earl — Iowa
Haley, Terese V. — N. Y.
LL.B. 1926, The George Washington University
Hall, John Emerson — N. Mex.
Hyde, Rosel H. — Idaho
Kane, James Martin — N. Dak.
*Kelly, Francis Patrick — Mont.
Mabon, Robert Leonard — D. C.
Musgrave, Anne Sightler — Md.
†McCauley, Leroy Clifton — D. C.
†McLaughlin, Albert Joseph — N. Y.
Newman, John Joseph — N. Y.
Potter, Nelson Augustine — D. C.
Rice, Charles Austin — Iowa
Ristine, John C. — Va.
*Rust, Gwinn Wheelwright — D. C.
†Shinnick, Herbert Hanserd — Va.
LL.B. 1922, The George Washington University
Turgeon, Edward Philip — R. I.
*Walter, Arthur Henry — Ky.
LL.B. 1923, LL.M. 1924, The George Washington University

SUMMARIES OF REGISTRATION

Candidates for degree of Bachelor of Laws:	
First year	324
Second year	221
Third year	170
Total	715
Candidates for degree of Master of Laws	18
Total Candidates for degrees	733
Unclassified students	9
Special students	24
Total, all students	766
Candidates for degrees who are college students	387
Percentage	52.7%

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	6	Nebraska	4
Arkansas	7	Nevada	2
California	8	New Hampshire	3
Colorado	4	New Jersey	13
Connecticut	11	New York	33
Delaware	6	North Carolina	10
District of Columbia	211	North Dakota	3
Florida	7	Ohio	33
Georgia	11	Oklahoma	13
Idaho	9	Oregon	1
Illinois	25	Pennsylvania	36
Indiana	26	Rhode Island	1
Iowa	20	South Carolina	7
Kansas	9	South Dakota	8
Kentucky	11	Tennessee	4
Louisiana	3	Texas	11
Maine	4	Utah	33
Maryland	35	Vermont	4
Massachusetts	18	Virginia	20
Michigan	12	Washington	5
Minnesota	6	West Virginia	28
Mississippi	7	Wisconsin	10
Missouri	13	Wyoming	4
Montana	5	Philippine Islands	2

GRADUATES OF COLLEGES

Alabama Polytechnic Institute	2
Alabama, University of	2
Albion College	2
Albright College	1
Allegheny College	1
Antioch College	3
Arkansas, University of	4
Augustana College	1
Berea College	1
Bethany College	1
Bowdoin College	2
Bradley Polytechnic Institute	1
Brown University	1
Bucknell University	2
California, University of	6
Carnegie Institute of Technology	5
Case School of Applied Science	2
Catholic University of America	1
Charleston, College of	1
Chicago, University of	3
Citadel, The	3
Clarkson College of Technology	1
Coe College	1
Colby College	1
Colorado College	1
Colorado School of Mines	1
Colorado, University of	1
Columbia University	4
Cornell University	8
Dakota Wesleyan University	1
Dartmouth College	4
Davidson College	1
Defiance College	1
Delaware, University of	4
Denver, University of	1
Dickinson College	3
Drake University	1
Drury College	2
Duke University	1
Emory University	2
Florida, University of	1
Georgetown College	1
George Washington University	55
Georgia Institute of Technology	1
Georgia, University of	1
Grinnell College	1
Hamilton College	2
Harvard University	9
Heidelberg College	1
Hendrix College	1
Hope College	1
Idaho, University of	5
Illinois, University of	2
Indiana, University of	1
Iowa State College	1
Iowa, State University of	4
Johns Hopkins University	4
Kansas State Agricultural College	2
Kansas, University of	2
Kentucky, University of	2
Kentucky Wesleyan College	1
Lehigh University	6
Maine, University of	4
Marietta College	1
Marshall College	1
Maryland, University of	7
Maryville College	1
Massachusetts Institute of Technology	6
Mercer University	1
Miami University	3
Michigan Agricultural College	1
Michigan College of Mining and Technology	2
Michigan, University of	8
Minnesota, University of	3
Mississippi State College for Women	1
Missouri State Teachers College	1
Montana, State University of	1
McKendree College	1
Nebraska, University of	2
New Mexico, University of	1
New York, College of the City of	3
North Carolina, University of	3
North Carolina State College of Agriculture and Engineering	1
North Dakota, University of	1
Norwich University	2
Oberlin College	1
Oglethorpe University	1
Ohio Northern University	1
Ohio University	1
Ohio State University	3
Ohio Wesleyan University	4
Oklahoma Agricultural and Mechanical College	3
Oklahoma, University of	2
Orgeon State Agricultural College	2
Oregon, University of	2
Oxford University (England)	1
Park College	1
Pennsylvania, State College	4
Pennsylvania, University of	8
Pittsburgh, University of	2

Pomona College	1
Princeton University	6
Purdue University	2
Rensselaer Polytechnic Institute	5
Richmond, University of	1
Roanoke College	3
Rose Polytechnic Institute	2
Rutgers College	1
St. Johns College	1
St. Louis University	1
St. Olaf's College	1
Salem College	1
Simmons College	1
Smith College	2
South Dakota, University of	1
South, University of the	2
Southern Methodist University	1
Stevens Institute of Technology	2
Susquehanna University	1
Syracuse University	1
Tennessee, University of	2
Texas, University of	1
Trinity College	1
Tufts College	2
Utah, University of	10
Utah, Agricultural College of	3
U. S. Naval Academy	19
Vanderbilt University	1
Vermont, University of	2
Virginia Military Institute	3
Virginia, University of	1
Wabash College	5
Washington College	1
Washington University	2
Washington and Jefferson College	1
Washington and Lee University	2
Wellesley College	1
Wesleyan University	2
Western Maryland College	2
West Texas State Teachers College	1
West Virginia University	5
West Virginia Wesleyan College	2
William and Mary, College of	3
Wisconsin, University of	5
Wofford College	1
Wyoming, University of	1
Yale University	9
Yankton College	1
Total	405
Counted more than once	18
Number of College graduates	387
Number of Colleges represented	148

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